

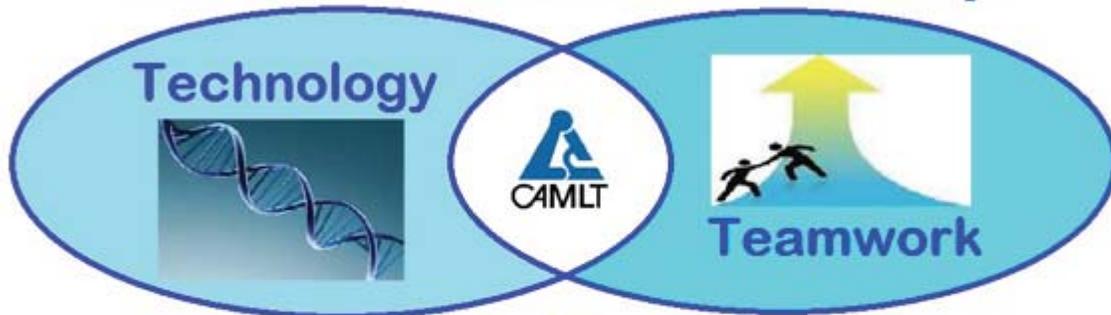


Newsline

California Association for Medical Laboratory Technology
Vol. 43 No.2 July, 2017

Published by and for CAMLT

CAMLT - A Smart Partnership



78th Annual Meetings and Exhibits

September 15 - 17, 2017
Santa Clara Hilton

Convention Program and Registration Information inside!

Register Online at www.camlt.org

Book EARLY and SAVE\$\$\$

Great Workshops – Abstracts Start on Page 10

House of Delegates, Exhibits and Recruiters,

LAB-PAC Luncheon, Fun-Nite, Student Forum,

Member Forum, Installation Banquet, and more...

At the Hilton Hotel, Santa Clara, CA

Unable to attend but still need continuing education? We will miss you at convention but rest assured you can still earn CEUs via CAMLT's distance learning courses online at www.camlt.org/distance-learning

**Announcing
CAMLT's New Expanded Members Benefits Program
See page 18**

Message From the President



I am pleased to invite you to attend our **Annual Meeting, Seminars and Exhibits CAMLT- A Smart Partnership: Technology and Teamwork.....** at the **Santa Clara Hilton on September 15-17, 2017**. The hotel is located next to the new home of the **San Francisco Forty-Niners** and is close to many restaurants, shops, and entertainment venues.

Hosted by District 2 chapters: East Bay, San Francisco, and Santa Clara. The Convention Committee, CAMLT office staff and volunteers have put in many hours planning this event for your enjoyment.

The program includes many well-known speakers, such as **Tatsiana Mardovina, MD, PhD** and **Paul Riley, PhD** speaking about **Vitamin K Coagulopathy Overview: Manifestations, Diagnosis and Therapy** giving you practical information that you can apply every day in the clinical laboratory.

The Exhibits feature manufacturers, developers and recruiters. Come and see the latest laboratory technology and job opportunities.

Our networking and social events include the **Friday night Fun-Nite, the Saturday LAB-PAC Walk and the LAB-PAC lunch with a special speaker followed by the Installation and Awards banquet on Saturday night.**

Come and enjoy a travel themed Fun-Nite and make a donation to the CAMLT LAB-PAC Fund.

Three full days of educational sessions should have plenty of interest for the generalist or specialist. With the lowest rates in the industry, CAMLT's Annual Meeting, Seminars and Exhibits offer the best return on your investment. **This past year has been one of excitement and change for CAMLT. We now have a new website that delivers information more easily and is more accessible. You can now renew or join online as well as register for seminars online. We have a new Expanded Member Benefit Program that can save you more than the cost of your membership every year!**

One of our Board of Director's goals for this year was to improve communication with members and the laboratory community. We are continuing to identify how we all can meet this and other goals. We are using social media to let others know about our organization, but the personal introduction to CAMLT is what will help us to increase our membership and volunteers. Won't you all help by liking us on Facebook and talking about what we do every month in the lab (not just during Lab Week)?

Everyone possesses leadership qualities...let CAMLT help you bloom.

Sincerely,
Ilene Dickman, President

IN THIS ISSUE . .

CONVENTION	1
MESSAGE FROM THE PRESIDENT	2
CLS OF THE YEAR, CALL FOR NOMINATIONS.....	3
CONVENTION EVENTS	4
NEWSLETTER AWARD.....	4
CONVENTION SCHEDULE.....	5
CAMLT BOARD OF DIRECTORS.....	5
2017 CONVENTION COMMITTEE.....	5
CONVENTION GENERAL INFORMATION	6
HOTEL INFORMATION.....	7
CONVENTION EXHIBITORS AND SPONSORS	8-9
WORKSHOP ABSTRACTS	10-15
CONVENTION SCHEDULE AT A GLANCE.....	16
CONVENTION REGISTRATION FORM	17
MEMBERSHIP BENEFITS PROGRAM	18
MEMBERSHIP APPLICATION.....	19

CAMLT/NEWSLINE

Volume 43, No.2
Ilene Dickman, President

Editorial correspondence should be addressed to CAMLT/ *Newsline*, 39656 Mission Blvd., Fremont, CA 94539.

Scientific articles submitted for publication in the CAMLT/ *Newsline* should be approximately 1,000 words in length or about three pages, double spaced, typed materials. Please include references when appropriate. Since the articles are relatively short, the editors do not feel that an abstract is necessary. All articles should be accompanied by a picture of the author.

Articles describing procedures should include materials and methods as well as results. All graphs and charts should be reducible. Abbreviation (except for those in common scientific usage) should be defined and introduced parenthetically when first used in text.

Advertising correspondence should be addressed to 39656 Mission Blvd., Fremont, CA 94539. (510) 792-4441, FAX (510) 792-3045, e-mail: office@camlt.org.

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REQUEST FOR NOMINATIONS FOR 2017-2018 STATE OFFICES AND COMMITTEES

Nominations are now being accepted for CAMLT State Officers and Committee Chairpersons. Don't delay – the Nominations Committee needs time to determine eligibility and to contact the prospective candidate. If you are interested in serving in a State office as a member of the Board of Directors, or in a State Committee Chairperson position, or know of someone who is a good candidate, submit your name, address, telephone number, and email address to:

CAMLT Executive Office
39656 Mission Blvd.
Fremont, CA 94539
office@camlt.org

The following positions are open:

President-Elect (1 year)
Secretary (1 year)
Treasurer (2 years)
District I Consultant (2 years)
District III Consultant (2 years)
District V Consultant (2 years)
Judicial Committee (2 years) – Two positions
Bylaws Chairperson (2 years)
Nominations Committee (1 year) – Five positions (Districts I through V)

NOMINEES FOR CLS OF THE YEAR AWARD WANTED!

Now is the time to submit nominations for the prestigious CLS of the Year Award. Contact the CAMLT Office, office@camlt.org, for details on qualifications and deadlines for submission.

ANNOUNCING CAMLT EDUCATION AND RESEARCH FOUNDATION'S WINNERS – 2017

Winners of free continuing education scholarships (6.0 hours CE) are chosen from among attendees at CAMLT seminars and the convention. Congratulations to the following winners!

Spring Seminar South:
#1: Erica Klein
#2: Janet M. Jones

Spring Seminar North:
#1: Sandra Mackewicz-Anderson
#2: Romeo Domondon

CAMLT – A SMART PARTNERSHIP 2017 CONVENTION EVENTS

SEMINARS – Friday, Saturday, Sunday

Choose from 13 seminars (39 units!) on a wide variety of topics. Earn up to 18 hours of CE credit over the three days. Register early for best choice of seminars at the best prices. You may also register on-site for any seminar with available space.

EXHIBITS AND RECRUITERS – Friday, Saturday

Exhibits open Friday afternoon. The exhibit displays provide a chance to meet our vendor partners in a relaxed atmosphere, exchange ideas, share contacts, gain insight into new tests and instruments. Representatives of healthcare employers from across California will also be on hand to talk with you about careers with their facilities. Exhibits continue at midday on Saturday.

STUDENT FORUM – or make it a Student Day – Friday

Laboratory students in training programs all over California have been invited to present poster sessions or power point presentations featuring their trainee research projects. All CLS, MLT, CPT and special License program students, as well as undergraduate students with an interest in laboratory science, are invited to attend the Student Forum. Nichole Coleman from the Clinical Laboratory Science Training Program at San Francisco State University, will chair this event. All convention attendees are welcome to come enjoy the presentations and witness first-hand the future excellence of California laboratories. Prizes will be awarded by the judges.

Students may attend a workshop in the morning before the Forum, then visit the Exhibits, and finish the day relaxing at the Fun-Nite.

FUN-NITE – Friday

Prepare for an evening of music and entertainment as attendees participate in a travel themed Karaoke Challenge! Enjoy a tasty spread and drinks while Fun-Nite sponsor and loyalty benefits partner *Tripbeat, endless vacation* provides travel destination insights, judge Karaoke Challenge, and award prizes. Meet old friends and new, network to your heart's content, belt out a song or two, win some prizes, and have tons of FUN!

LAB-PAC WALK/RUN/STROLL – Saturday

Join us early Saturday morning with a brisk walk, run, or stroll on pathways near the hotel. Clear your head for a day of workshops or the House of Delegates. The Walk/Run raises funds for CAMLT's LAB-PAC.

LAB-PAC LUNCHEON – Saturday

The annual LAB-PAC Luncheon on Saturday provides an opportunity for our members and guests to meet a local legislator and our Legislative Advocates Kathy Rees and Russ Noack. We will be updated on current legislation of particular interest to CAMLT. This event is a fund raiser for LAB-PAC, to provide the means by which CAMLT works to protect and strengthen laboratory regulations in California.

INSTALLATION BANQUET – Saturday

The flourish at the end of the 2017 Convention will be Saturday evening's Installation Banquet. It is a great opportunity to celebrate the successes of the year and our new Board Members as they are officially installed. CLS of the Year will be awarded as you enjoy good food and friends.

Enter your newsletter for the annual Newsletter Award!

Send copies of your newsletter for judging to:

CAMLT Executive Office
39656 Mission Blvd.
Fremont, CA 94539
office@caml.org

2017 CONVENTION EVENTS SCHEDULE

Thursday, September 14

CAMLT Board of Directors Meeting: 10:00 AM – 5:00 PM

Friday, September 15

Continuing Education Seminars: 8:30 – 11:30 AM & 1:30 – 4:30 PM

CAMLT Education and Research Foundation Meeting: 8:00 – 10:00 AM

CCEA Meeting: 10:00 AM – 12:00 Noon

Student Forum: 1:00 – 4:30 PM

CAMLT Member Forum/Finance/Orientation/Training: 2:30 – 4:30 PM

Exhibits: 4:30 – 6:00 PM

Fun-Nite: 7:00 – 10:00 PM

Saturday, September 16

Continuing Education Seminars: 8:30 – 11:30 AM & 1:30 – 4:30 PM

LAB-PAC Run/Walk/Stroll: 6:30 – 7:30 AM – Meet at 6:20 AM in the Hotel Lobby

CAMLT House of Delegates: 8:00 – 11:00 AM (House convenes at 9:00 AM)

Exhibits: 11:00 AM – 1:30 PM

CAMLT LAB-PAC Luncheon: 12:00 – 1:30 PM

CAMLT House of Delegates: 1:30 – 4:30 PM

Installation Banquet: 7:00 – 10:00 PM

Sunday, September 17

Continuing Education Seminars: 8:30 – 11:30 AM & 1:30 – 4:30 PM

CAMLT Board of Directors Meeting: 8:30 AM – 11:30 PM

2017 CONVENTION COMMITTEE

Danuta T. Bowler
Linda Burton
Nichole Coleman
Joyce Estes (LAB-PAC)
Dora W. Goto
Ulka Parikh
Mary Jeanne Stavish
Jan Vogel
Roy Vogel

2016-2017 BOARD OF DIRECTORS

President.....Ilene E. Dickman
President-Elect..Open
Past-President...Dora W. Goto
Secretary.....Josilyn Schrage
Treasurer.....Mary Jeanne Stavish
District I Consultant Shareen Mezger
District II Consultant Danuta T. Bowler
District III Consultant Mark Briones
District IV Consultant Ching-Yi (Joyce) Ma
District V Consultant Marlene DeMers

GENERAL INFORMATION

“CAMLT – A Smart Partnership”, the 78th Annual Meeting and Exhibits for the California Association for Medical Laboratory Technology, will be held at the Hilton Santa Clara from Friday, September 15 through Sunday, September 17, 2017. This meeting is open to CAMLT members and non-members alike. See Hotel Information page for reservation information.

ADVANCE REGISTRATION: Send in your registration form. Early-bird registration must be postmarked by 8/24/2017. Reserve your hotel room. Non-members send in registration form with membership application and save \$\$\$!

ON-SITE REGISTRATION: If you are unable to register in advance, on-site registration begins at 7:00 a.m. each day of the meeting. On-site registration is subject to availability. Additional on-site registration fee of \$5.00 applies.

SEMINAR START TIMES: Continuing education courses start promptly at 8:30 a.m. and 1:30 p.m.

PARKING: Complimentary self-parking available on a first-come-first-serve basis.

AIRPORT TRANSPORTATION: The closest airport is Mineta San Jose International Airport.

PUBLIC TRANSPORTATION: The free Valley Transportation Authority (VTA) Route 10 Airport Flyer bus connects the airport to the Santa Clara Station for Caltrain and ACE commuter rail services as well as numerous local buses; and to the Metro/Airport Light Rail Station for VTA's light rail service. To plan your trip, visit: <http://www.vta.org/schedules/>. Or, consider arranging taxi / Uber / Lyft alternatives.

HOTEL DRIVING DIRECTIONS: (Hilton Santa Clara is located at the corner of Tasman and Great America Parkway)

- **From San Francisco International Airport SFO (approximately 39 miles):** Take Highway 101 South to Great America Parkway. Turn left and pass over highway to Tasman Drive. *Airport Shuttle Not Provided*
- **From Norman Y. Mineta San Jose International Airport SJC (approximately 5 miles):** Turn left onto Airport Boulevard, and then turn left again onto Guadalupe Parkway. Follow the signs to Highway 101 North. Take Highway 101 North. Exit Highway 101 at Great America Parkway and turn right. *Airport Shuttle Not Provided*
- **From Points North:** Take I-880 South and exit to Highway 237 West toward Mountain View. Turn left onto Great America Parkway to Tasman Drive.
- **From Points South:** Take I-880 North to Highway 101 North and exit at Great America Parkway. Turn right onto Great America Parkway.
- **From Points East:** Take I-5 South toward San Francisco/Los Angeles. Merge onto I-205 West toward I-580/San Francisco; I-205 becomes I-580 West. Take the I-680 North exit toward Sacramento/San Jose; then merge onto I-680 South via the exit on the left toward San Jose. Take the Mission Boulevard West exit toward I-880/Warm Springs District/UC Extension. Merge onto Mission Boulevard/CA-262 West, then merge onto I-880 South toward San Jose. Merge onto CA-237 West/Alviso-Milpitas Road toward Mountain View. Take the Great America Parkway exit toward Lafayette Street, turn left onto Great America Parkway.

CAMLT REFUND POLICY

- Complete refund issued for programs cancelled by CAMLT.
- Complete refund for programs canceled by participant must be requested in writing by 8/17/2017 and are subject to a \$25 cancellation fee.
- Full credit (less a \$25 cancellation fee) toward a future state seminar or convention will apply to requests for cancellation after 8/18/17 and prior to 9/7/2017.
- Refunds/credits not applicable to cancellation requests after 9/7/2017.

DISCLAIMER: CAMLT hereby disclaims any liability for product or services exhibited, nor does it necessarily support the content of any educational session. Acceptance of advertising does not indicate or imply product endorsement by CAMLT.

ACCREDITATION: CAMLT is approved by the California Department of Public Health as an accrediting agency for continuing education (provider #21) and by the State of Nevada Bureau of License and Certification.

ATTENDANCE POLICY: Choice of workshops may NOT be changed on-site. In compliance with California State Continuing Education (CE) regulations, participants MUST attend the entire workshop to receive CE credits. NO partial credit will be awarded for late arrival/early departures. NO EXCEPTIONS.

POLICY FOR PERSONAL INFORMATION DATA: The 2017 Convention Committee will make available to exhibitors a contact list of attendees (mailing address only). If you prefer that your name not be included on the list, please so indicate on the Registration Form.

HOTEL/TRAVEL INFORMATION

You will be staying at the ...
Hilton Santa Clara
4949 Great America Parkway
Santa Clara, CA 95054
1.408.330.0001
<http://www.hiltonsantaclara.com>

A welcoming experience awaits you at Hilton Santa Clara. Allow the professional and helpful staff to assist you in making your stay as perfect as possible. Pampering amenities are designed to delight your every sense.

Note concerning housing: CAMLT has made every effort to secure the best possible group nightly rate for you at this event. The rate results from a negotiated overall package of event needs such as sleeping rooms, meeting room space, and other requirements. Contracts with the venue include a provision to reduce event costs if CAMLT meets or exceeds its minimum sleeping room block guarantee. Conversely, event costs will increase if CAMLT falls short of its minimum room block guarantee. **Please help CAMLT keep the costs of this event as low as possible by booking your housing needs only at the Hilton Santa Clara through the reservation process below.** Reserving elsewhere means you are booking outside the contracted room block, jeopardizing CAMLT's ability to meet its contracted obligations and to keep registration fees to a minimum. CAMLT appreciates your support and understanding of this important issue.

Reservation Procedures: CAMLT has negotiated a block of guest rooms at a rate of \$129.00/Single, Double, King Suite with Wet Bar. Room rates are quoted exclusive of applicable state and local taxes (which are currently 9.0% Sales Tax; 11.72% Hotel Occupancy Tax plus \$1.00 District Improvement Fee) or applicable services, or hotel specific fees in effect at the Hotel at the time of the meeting. Don't wait until the last minute. **Reservations may be made on-line via the Internet using the Personalized Group Web Page:** http://www.hilton.com/en/hi/groups/personalized/S/SJCSCHF-CALTEC-20170914/index.jhtml?WT.mc_id=POG. You may also make reservations by calling **1-800-HILTONS** and mention the group code: **CALTEC** to receive the group rate. Reservations must be made on or before the cut-off date.

Cut-Off Date: The "cut-off-date" for accepting reservations into CAMLT's room block is **Thursday, August 24, 2017**. Reservation requests received after the cut-off date will be based on availability at the Hotel's prevailing rates.

Attendee Billing: Individuals shall be responsible for their own room, tax, and incidental charges. All charges incurred are to be paid upon checkout. An early departure fee of \$150.00 will be charged if a guest checks out of the hotel prior to confirmed departure date at time of check-in.

Check-In/Out Time: Check-in time is 3:00 p.m.; check-out time is 12:00 Noon. Room assignments prior to that time are on a "space availability" basis only. Any attendees staying in their rooms beyond checkout time without Hilton Santa Clara's authorization will be charged for an additional room night at the best available rate. Late checkout is provided based on availability through authorization from the hotel Front Desk.

Hotel Guest Room Amenities: Specious guest rooms feature either two Double beds or one King size bed. Each bed features a pillow top mattress, down comforter, 250 thread count sheets and plush pillows. Additional amenities include Peter Thomas Roth™ bath products, both wired and wireless high-speed internet access, a 37" HDTV, an alarm clock/radio with MP3 connection, two dual line phones with voicemail, as well as a refrigerator, coffeemaker, hair dryer, safe, iron and ironing board.

Suites: The Hilton Santa Clara offers a variety of well-appointed suites, which feature all the standard guest room amenities. Additionally, each suite includes one King size bed and separate seating area, which is ideal for small gatherings or meetings.

Facilities: Pool/Spa, Hilton Fitness, Business Center, Gift Shop

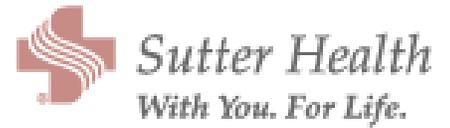
Hotel Restaurants: **La Fontana Restaurant** – Experience award winning dining, which includes an array of California-inspired selections. Serving breakfast, lunch, and dinner. **La Fontana Bar** – Sit back and relax in this laid-back setting as you enjoy your favorite beverage, catch up on the news on one of several HDTVs or meet up with friends. Offering a variety of beer, wine, and spirits, as well as a bar menu. **La Fontana Coffee Bar** – Proudly serving Starbucks coffee and a variety of specialty beverages, coffee, and tea. Also, featuring a selection of pastries, bagels, and breakfast sandwiches.

Points of Interest

Endless activities await your discovery. Top attractions include: California's Great America Theme Park, The Tech Museum of Innovation, HP Pavilion at San Jose, Levi's Stadium, 49er's Museum, Winchester Mystery House, Sporting Events, Museums, Wineries, Santa Cruz Beach Boardwalk, San Francisco's Fisherman's Wharf Pier 39, just to name a few.



Exhibitors



- Abbott Diagnostics
- Advanced Instruments
- Cepheid
- DiaSorin
- Fusion Medical Staffing
- Kaiser Permanente
- Medical Staffing Network
- Palmdale Regional Medical Center
- Precision BioLogics
- Staff Ready Software Solutions
- St. Agnes Medical Center
- Sutter Health
- Sysmex America
- Waters Corporation



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BioFire Diagnostics
Bio-Rad Laboratories
Diagnostics Stago
Inova Diagnostics
Precision BioLogics
Roche Diagnostics
Sysmex America
Tripbeat, endless vacation (Fun-Nite Sponsor)
UC San Francisco – School of Nursing
East Bay Chapter
Fresno Chapter



WORKSHOP ABSTRACTS

Friday Morning Courses

September 15, 2017

8:30 – 11:30 AM

Vitamin K Coagulopathy Overview: Manifestations, Diagnosis and Therapy

175-100 – 3.0 CE – Level of Instruction: Intermediate

Tatsiana Mardovina, MD, PhD

Scientific Market Development

&

Paul Riley, PhD, MBA

Scientific Business Development Manager

Diagnostica Stago, Inc.

Parsippany, NJ

Sponsored by Diagnostica Stago, Inc.

Abstract: This presentation will provide an overview of potential hemostasis outcomes related to Vitamin K deficiency with special focus paid to hemorrhagic disease in newborns. Clinical cases will be presented demonstrating the major clinical features of Vitamin K deficiency along with interpretation of the laboratory evidence of impaired coagulation related to Vitamin K deficiency.

New Horizons in Autoimmune Testing

175-101 – 3.0 CE – Level of Instruction: Intermediate

Robert Boyes, BS

Scientific Director

Inova Diagnostics

San Diego, CA

Sponsored by Inova Diagnostics, Inc.

Abstract: Autoimmune diseases affect approximately one in five Americans or 20% of the population. These diseases often disproportionately affect women with an estimated 75% or 30 million patients being women. Testing for autoimmune diseases has been an integral component of laboratory immunology for decades but now new and exciting assays and methods are making inroads into the laboratory. This lecture will look at the impacts of automating indirect immunofluorescent testing, discuss the impact of new biomarkers such as Calprotectin found in inflammatory bowel disease, antibodies to the PS/PT complex in antiphospholipid syndrome, and lastly, examine the role of these new biomarkers in the expanding area of personalized medicine. The difficulty level of this lecture is intermediate but those with no experience in autoimmunity will still enjoy the exposure to this exciting area of diagnostics.

WORKSHOP ABSTRACTS

Friday Afternoon Courses September 15, 2017

1:30 – 4:30 PM

Hematology Essentials: A Foundation for Accurate Smear Reviews

175-200 – 3.0 CE – Level of Instruction: Basic

Christine A. Hinz, MS, MLS (ASCP)^{CM}

Product Manager, IT

Sysmex America, Inc.

Lincolnshire, IL

Sponsored by Sysmex America, Inc.

Abstract: Reviewing hematology slides can be challenging. A patient's blood picture is dependent on condition and treatment and can change over time. How can you distinguish a blast from a reactive lymphocyte? How do growth factor drugs affect WBC morphology? This workshop will take the attendees beyond the textbook on a practical journey through case studies that provide a basic review of hematology cells and morphology. Attendees will also gain insight on how to train new and current hematology technologists.

More than 50 Years Later, Where Are We Now with Gluten? The Ever-Evolving Landscape of Celiac Disease and Non-Celiac Non-Wheat Allergy Gluten Sensitivity

175-201 – 3.0 CE – Level of Instruction: Intermediate

Wen Kumpfert, PhD

Senior Global Product Manager

Bio-Rad Laboratories, Inc.

Benicia, CA

Sponsored by Bio-Rad Laboratories, Inc.

Abstract: The first scientific study that established definitive association between gluten and celiac disease was published in the 1940s. More than 50 years later, we have learned a lot about celiac disease and celiac disease diagnostics, gluten-free diet becomes fashionable, new clinical symptom (non-celiac, non-wheat allergy gluten sensitivity) has been proposed and accepted into clinical practice, where are we now? Rather than just presenting the key facts about celiac disease, the development of celiac diagnostics, gluten and the new non-celiac non-wheat allergy gluten sensitivity, this seminar will attempt to thread the key facts through the lens of history, illustrate a path of how these key facts came about and shed some light on the ever-evolving landscape of celiac disease and non-celiac non-wheat gluten sensitivity research.

Part I: Laboratory Diagnosis of von Willebrand Disease

Part II: Case Studies in Coagulation

175-202 – 3.0 CE *note: you must attend both parts to receive credit* – Level of Instruction: Intermediate

Larry J. Smith, PhD, SH(ASCP), HCLD/CC(ABB)

Medical and Scientific Affairs, Liaison Manager

Abbott Diagnostics Division – Hematology

Santa Clara, CA

Sponsored by Abbott Diagnostics Division – Hematology

Abstract: Von Willebrand disease (VWD) is the most common congenital bleeding abnormality in the world that affects approximately 1-2% of the general population. Clinical laboratories often provide several screening assays that measure different properties of von Willebrand factor to aid in diagnosis, but it can still be challenging. This review provides a brief review of the structure and function of the von Willebrand factor molecule, a description of the current classification scheme for VWD, a review of the assays required and preanalytical variables affecting these assays for accurate diagnosis.

WORKSHOP ABSTRACTS

Saturday Morning Courses

September 16, 2017

8:30 – 11:30 AM

Part I) Procalcitonin (PCT) Use in Sepsis Management and Antibiotic Treatment Decisions

Part II) Biomarkers for the Diagnosis of Alzheimer's Disease

Part III) Women's Health – Biomarkers in Clinical Practice and Future Approaches

175-300 – 3.0 CE (note: you must attend all three parts to receive credit) – Level of Instruction: Basic

James M. Harris, BA

Director, Medical and Scientific Affairs

Speakers TBA

Roche Diagnostics Corporation

Indianapolis, IN

Sponsored by Roche Diagnostics Corporation

Abstract (Part I): With more than 258,000 lives being lost per year, sepsis ranks as the third leading cause of death in the U.S. (after heart disease and cancer). Sepsis has been named as the expensive in-patient cost in American hospitals in 2011 at over \$20 billion each year. Forty percent of patients diagnosed with severe sepsis do not survive. Until a cure for sepsis is found, early detection is the surest hope for survival. In addition, up to 50% of survivors suffer from post-sepsis syndrome. There are biomarkers that can help provide caregivers with great clinical clarity. One such marker is Procalcitonin (PCT), a protein that consists of 116 amino acids, is the peptide precursor of calcitonin, a hormone that is synthesized by the parafollicular C cells of the thyroid and involved in calcium homeostasis. Procalcitonin arises from endopeptidase-cleaved preprocalcitonin.

Abstract (Part II): The presentation will cover Alzheimer's disease. With ever increasing disease prevalence and incidence for early onset and late onset Dementia, a need exists to build knowledge on the pathology with this disease. We will discuss the use of biomarkers for diagnosis or monitoring with disease progression with focus for how new biomarkers might influence and improve clinical practice and patient care.

Abstract (Part III): The presentation will cover diseases that are specific to female patients (breast- and ovarian cancer) or have a significantly higher prevalence in women (osteoporosis) or are related to pregnancy (preeclampsia). We will discuss the use of biomarkers for screening, diagnosis, therapy monitoring or recurrence testing and how new biomarkers might influence and improve clinical practice.

Hemostasis is Unique – The Cascade, the Diseases, and the Tests – All Mixed Up

175-301 – 3.0 CE – Level of Instruction: Intermediate

James F. DeMase, BS

Senior National Technical Sales Manager

Precision Biologics, Inc.

Dartmouth, Nova Scotia, Canada

Sponsored by Precision Biologics, Inc.

Abstract: This session will review the basics of hemostasis in the coagulation lab and enhance the basic understanding of hemostasis and thrombosis, describing the stages of hemostasis as well as common bleeding and clotting disorders. We will define hemophilia, and review its symptoms, diagnosis, and common treatments. The methods and clinical application of mixing studies will be outlined. Case studies will be used throughout the workshop to help attendees relate their learnings to real-world situations.

WORKSHOP ABSTRACTS

Saturday Afternoon Courses

September 16, 2017

1:30 – 4:30 PM

What Made Sally Sick? The Use of Multiplex Polymerase Chain Reaction (PCR) Panels as First Line Tests for Detection of Respiratory, GI and Meningitis/Encephalitis Pathogens

175-400 – 3.0 CE – Level of Instruction: Intermediate

Alex L. Sterling, BS

Sales Manager, Laboratory Diagnostics

BioFire Diagnostics, LLC

Salt Lake City, UT

Sponsored by BioFire Diagnostics, LLC

Abstract: Multiplex PCR panel has been available since 2008. Today, numerous PCR panels for detection of several respiratory and gastrointestinal pathogens are commercially available. In the area of testing for infectious disease, these products have become a disruptive technology in their ability to integrate molecular diagnostics and microbiology. Some of these tests are labor intensive, while others provide simple workflows; all of them are more expensive than standard technique to the laboratory and patient. Many of these assay panels can detect up to 22 pathogens. More confounding to the clinician is how these pathogens can cause similar symptoms, yet lead to different manifestations of infection within the same organ system. While some laboratories and hospitals have limited the frequency at which patients can be tested, others have allowed the ordering provider to exercise clinical judgment as to whether they are appropriate for first-line diagnostic testing.

Is this Lymphocyte Normal, Reactive or Malignant?

175-401 – 3.0 CE – Level of Instruction: Intermediate

Steven Marionneaux, MS, MT(ASCP)

Global Manager, Scientific Affairs

Abbott Hematology

Santa Clara, CA

Sponsored by Abbott Hematology

Abstract: Lymphocyte morphology can be quite challenging at times. Normal lymphocytes are easy to call but morphology may change depending on what is happening with the patient. Infection, inflammation, drug exposure or a number of leukemias/lymphomas can alter their appearance. This session will attempt to provide criteria that can be used to objectively differentiate, identify and label different types of lymphoid cells. A method of reporting abnormal lymphoid cells will be formulated based on information discussed. Several case studies will be reviewed to illustrate how lymphoid neoplasms are currently classified by the WHO.

WORKSHOP ABSTRACTS

Sunday Morning Courses

September 17, 2017

8:30 – 11:30 AM

Part I) Advanced Antibody Identification: Case Studies

Part II) Laboratory Investigation of Transfusion Reactions: Case Studies

175-500 – 3.0 CE (note: you must attend both parts to receive credit) – Level of Instruction: Intermediate

Justin R. Rhees, MS, MLS(ASCP)^{CM}SBB^{CM}

Program Director, Medical Laboratory Science, ARUP Laboratories

Assistant Professor of Pathology, Medical Laboratory Science, University of Utah School of Medicine

Salt Lake City, UT

Sponsored by ARUP Laboratories

Abstract (Part I): Difficult antibody identification cases in transfusion can be more easily resolved with knowledge of blood group antigen characteristics, antibody idiosyncrasies, and established algorithms to help know which way to go. However, even with the best of these, the process can still feel a bit like falling down a rabbit hole. In this presentation, we will explore several advanced cases, and you may be a bit surprised at the end when the answer isn't exactly what you expect.

Abstract (Part II): Many of the signs and symptoms of transfusion reactions are shared, and not all reactions are diagnosed by tests performed in the laboratory. This session includes a review of the characteristics of acute and delayed hemolytic and nonhemolytic transfusion reactions, and several case studies are presented.

Help and Hope in Alzheimer's Science and Care

175-501 – 3.0 CE – Level of Instruction: Basic

Alexandra Morris, MA

Certified Professional Geriatric Care Manager

Credentialed Professional Gerontologist

Alzheimer's Association

San Jose, CA

Sponsored by CAMLT

Abstract: The lecturer will present an update on Alzheimer's and related disorders and current approaches to treatment. Discussion on how advances in biomarkers, brain scans and genetic testing are impacting the diagnosis, treatment, and research of Alzheimer's. The latest in drug research and what looks promising for the future will be presented.

WORKSHOP ABSTRACTS

Sunday Afternoon Courses

September 17, 2017

1:30 – 4:30 PM

Which of the Two Make the Best Soul Mate? An Infectious or Autoimmune Antibody?

175-600 – 3.0 CE – Level of Instruction: Basic

Maria Crisostomo, MBA

Senior Product Manager, North America Sales Division

Bio-Rad Laboratories, Inc.

Benicia, CA

Sponsored by Bio-Rad Laboratories, Inc.

Abstract: This session will take participants through a memory lane walk-through of diagnostic testing in the areas of HIV, syphilis and autoimmunity. As a basic overview, participants will be able to regain an understanding of the evolution of testing in these three areas, their respective testing algorithms and how the “perfect” pairing of antigen and antibody contributes to laboratory’s decision as to which tests are appropriate for their patient population and laboratory workflow.

Part I) California’s Medical Laboratory Technician Workforce: Research and Policy Implications

Part II) How to Improve the Laboratory Experience - CLS and MLT Working Together

175-601 – 3.0 C E (*note: you must attend both parts to receive credit*) – Level of Instruction: Intermediate

Susan Chapman, PhD, MPH, MSN, BSN

Professor

University of California, San Francisco – School of Nursing

San Francisco, CA

&

Dora W. Goto, MS, CLS, MLS(ASCP)^{CM}

Past-President

California Association for Medical Laboratory Technology

Fremont, CA

Abstract (Part I): California faces laboratory workforce shortages to meet the healthcare demands of the population. The state developed regulations for the MLT more than a decade ago. Yet growth in the utilization of MLTs has been slow in many organizations and parts of the state. This national study compares the California MLT workforce to other states. MLT supply is scarce and the scope of practice laws are more restrictive than any other state. Laboratory personnel in other states that regulate MLTs generally support MLTs practicing to their highest level of training. Several policy implications that need to be considered for future growth of the MLT role in California.

Abstract (Part II): Until December 19, 2007, only Clinical Laboratory Scientists (CLS) were recognized as testing personnel in California laboratories. A newer category of laboratory testing personnel known as Medical Laboratory Technicians (MLT) had begun to be recognized as testing personnel in California as well. In addition, regulations certifying Phlebotomists (CPT) have been in effect since 2003. Official recognition of these categories provides a “career ladder” within our laboratories and will help staff laboratories with appropriately trained personnel. Licensure of mid-level testing personnel as MLTs will positively impact the laboratory personnel workforce shortage in California, but will not solve all our staffing issues nor take the place of the CLS.

2017 CONVENTION SCHEDULE-AT-A-GLANCE

Friday, September 15

175-109 — Student Forum 1:00 – 4:30 PM

175-100 - 3.0 CE

8:30 – 11:30 AM

Level of Instruction: Intermediate

Tatsiana Mardovina, MD, PhD & Paul Riley, PhD, MBA

Vitamin K Coagulation Pathway Overview: Manifestations, Diagnosis and Therapy

Sponsored by Diagnostica Stago, Inc.

175-200 - 3.0 CE

1:30 – 4:30 PM

Level of Instruction: Basic

Christine Hinz, MS, MLS (ASCP)^{CM}

Hematology Essentials: A Foundation for Accurate Smear Reviews

Sponsored by Sysmex America, Inc.

175-201 - 3.0 CE

1:30 – 4:30 PM

Level of Instruction: Intermediate

Wen Kumfert, PhD

More Than 50 Years Later, Where Are We Now with Gluten? The Ever-Evolving Landscape of Celiac Disease and Non-Celiac Non-Wheat Allergy Gluten Sensitivity

Sponsored by Bio-Rad Laboratories, Inc.

175-101 - 3.0 CE

8:30 – 11:30 AM

Level of Instruction: Intermediate

Robert Boyes, BS

New Horizons in Autoimmune Testing

Sponsored by Inova Diagnostics, Inc.

175-202 - 3.0 CE (Note: you must attend both parts to receive credit)

1:30 – 4:30 PM

Level of Instruction: Intermediate

Larry J. Smith, PhD, SH(ASCP), HCLD/CC(ABB)

Part I) Laboratory Diagnosis of von Willebrand Disease

Part II) Case Studies in Coagulation

Sponsored by Abbott Diagnostic Division - Hematology

Saturday, September 16

175-300 - 3.0 CE (Note: you must attend all three parts to receive credit)

8:30 – 11:30 AM

Level of Instruction: Basic

James M. Harris, BA, and Speakers TBA

Part I) Procalcitonin (PCT) Use in Sepsis Management and Antibiotic Treatment Decisions

Part II) Biomarkers for the Diagnosis of Alzheimer's Disease

Part III) Women's Health – Biomarkers in Clinical Practice and Future Approaches

Sponsored by Roche Diagnostics Corporation

175-400 - 3.0 CE

1:30 – 4:30 PM

Level of Instruction: Intermediate

Alex Sterling, BS

What Made Sally Sick? The Use of Multiplex Polymerase Chain Reaction (PCR) Panels as First Line Tests for Detection of Respiratory, GI and Meningitis/Encephalitis Pathogens

Sponsored by BioFire Diagnostics, LLC

175-301 - 3.0 CE

8:30 – 11:30 AM

Level of Instruction: Intermediate

James F. DeMase, BS

Hemostasis is Unique – The Cascade, the Diseases, and the Tests – All Mixed Up

Sponsored by Precision Biologics, Inc.

175-401 - 3.0 CE

1:30 – 4:30 PM

Level of Instruction: Intermediate

Steven Maronneaux, MS, MT(ASCP)

Is this Lymphocyte Normal, Reactive or Malignant?

Sponsored by Abbott Hematology

Sunday, September 17

175-500 - 3.0 CE (Note: you must attend both parts to receive credit)

8:30 – 11:30 AM

Level of Instruction: Intermediate

Justin R. Rhee, MS, MLS(ASCP)^{CM}, SBB^{CM}

Part I) Advanced Antibody Identification: Case Studies

Part II) Transfusion Reactions: Case Studies

Sponsored by ARUP Laboratories

175-600 - 3.0 CE

1:30 – 4:30 PM

Level of Instruction: Basic

Maria Christomo, MBA

Which of the Two Make the Best Soul Mate? An Infectious or Autoimmune Antibody?

Sponsored by Bio-Rad Laboratories, Inc.

175-501 - 3.0 CE

8:30 – 11:30 AM

Level of Instruction: Basic

Alexandra Morris, MA

Help and Hope in Alzheimer's Science and Care

Sponsored by CAMLT

175-601 - 3.0 CE (Note: you must attend both parts to receive credit)

1:30 – 4:30 PM

Level of Instruction: Intermediate

Susan Chapman, PhD, MPH, MSN, BSN

Part I) California's Medical Laboratory Technician Workforce: Research and Policy Implications

Part II) How to Improve the Laboratory Experience - CLS and MLT Working Together

Sponsored by University of California, San Francisco – School of Nursing and CAMLT

CAMLT 2017 ANNUAL MEETING REGISTRATION FORM

September 15-17, 2017

Print Clearly. One registrant per form only (copies are acceptable).
Incomplete forms will be returned unprocessed.

Name: _____

Home Address: _____

City: _____ State: _____ Zip: _____

Exclude my name from attendee list for exhibitors []

Day Tel: _____

Preferred Email: _____

() CAMLT Member #: _____

CDPH License #: _____ Renewal Date: _____

Employer: _____

Work Address: _____

City: _____ State: _____ Zip: _____

Work Tel: _____

() Check here to register as a Clinical Science student*

Ed Coordinator/Instructor _____

School/Program _____

Phone _____ Email _____

*Name/Email/Phone # of Educ. Coordinator/Instructor required here for student rate!

A. CAMLT MEMBERSHIP (optional): Total A \$ _____

Membership Type _____ Add 20/20 Option ()
See website for Membership Category explanation

B. GENERAL REGISTRATION FEE: Total B \$ _____

(Required of ALL Registrants)

"Early Bird" registration fee: (Only if postmarked by 8/24)	Pre-Registration fee: (If postmarked after 8/24)
() Member: \$30	() Member: \$40
() Non-member: \$40	() Non-member: \$60
() Student: Free (does not include CEUs)	() Student: Free (does not include CEUs)

C. WORKSHOPS: Total C \$ _____

See program for details and code numbers, then indicate workshop choice(s) by entering code numbers below (e.g., 175-100):

	AM	PM
Fri., 9/15		
Sat., 9/16		
Sun., 9/17		

Member: \$45 if attending only one workshop
\$40 for each workshop if attending more than one
of workshops ____ X ____ = \$ ____

Non-Member: \$60 if attending only one workshop
\$55 for each workshop if attending more than one
of workshops ____ X ____ = \$ ____

Student: Just \$5 per workshop! – CEU not applicable

D. 20/20 DISCOUNT: Total D (\$ _____)

If you are a member enrolled for this optional benefit, calculate your discount here and include it in the Grand Total below.

Registration (Section B): \$ _____

Workshop (Section C): \$ _____

Total B + C: \$ _____ x 0.20 = \$ _____

E. SOCIAL EVENTS: Total E \$ _____

Fun Night (Friday, 9/15)

_____ tickets @ \$55 ea. = _____

Installation Banquet (Saturday, 9/16)

_____ tickets @ \$60 ea. = _____

(Indicate your choice: [] Beef [] Fish [] Vegetarian)

F. STUDENT FORUM: Friday, 9/15 - PM \$ free!

Student Forum is open to all registered attendees.

Check here to attend Student Forum ()

G. CAMLT LAB-PAC EVENTS Total G \$ _____

LAB-PAC events are tracked separately but included in the Grand Total below:

Run/Walk/Stroll (Sat., 9/16) _____ @ \$25 ea. = \$ _____

LAB-PAC Luncheon (Sat., 9/16) _____ @ \$45 ea. = \$ _____

GRAND TOTAL (A+B+C-D+E+G) \$ _____

METHOD OF PAYMENT:

() Check Payable to: **CAMLT 2017 Annual Meeting**
(Returned checks subject to a \$20 fee)

() VISA or () MasterCard (indicate card type)

Card #: _____ Exp. Date: _____

3-digit security code: _____

Signature: _____

Mail to: CAMLT 2017 ANNUAL MEETING
39656 Mission Blvd., Fremont, CA 94539

Questions? Call us at 510-792-4441 or email at office@camlt.org

If paying by MasterCard or VISA, form may be faxed to 510-792-3045

or scanned/emailed to: office@camlt.org

FOR OFFICE USE ONLY:

Date: _____ Co. Ck# _____ Pers. Ck# _____

Amount: _____ O/P: _____ U/P: _____

VISA/MC Credit Authorization: _____

Pre-registration deadline: Thursday, September 7, 2017 at Noon
(Registrations received after the above date/time will not be processed.
Please register on-site.)

Online registration and PayPal payment available at www.camlt.org



MEMBERSHIP Promotions and Incentives

CAMLT is very excited to finally introduce you to ***the New CAMLT Expanded Members Benefit Program***. The new program is offered to CAMLT members only and will save you thousands of dollars a year! Here's how...

CAMLT has partnered with over 20 companies and services to offer you deals on; travel, car rentals, buying computers, shopping for flowers, foods, gifts, tax prep services, sports or entertainment tickets and much, much more.

You can now save thousands of \$ dollars per year with your CAMLT membership!

CAMLT	Offering	Member Benefit
1 800 Flowers	Flowers, etc.	15% off (additional holidays)
1 800 Baskets.com	Gift Baskets	15% off (additional holidays)
Fruit bouquets.com	Fruit inspired arrangements	15% off (additional holidays)
Cheryl's cookies	Cookie arrangements	15% off (additional holidays)
Fanny May	Fine Chocolate arrangements	15% off (additional holidays)
The Popcorn Factory	Popcorn arrangements	15% off (additional holidays)
Stock Yards	Appetizers, Meats and Dessert collections	15% off (additional holidays)
Wolferman's	Baked Goods collections	15% off (additional holidays)
Harry & Davids	Gourmet gift collections	15% off (additional holidays)
MemberDeals	Hotels, Theme Parks, Shows, Gift Cards etc.	25% to 50% off
Snazzy Traveler (SaveonResorts)	Hotels, Car Rentals, Cruises	Waive \$99 sign-up fee 25% to 30%
Avis/Budget	Vehicle Rentals	up to 25% off – Free Upgrades
Best Western Hotels	Hotels and Resorts	15% off Best Available Rate
Liberty Tax Services	Online or onsite taxes	\$50 off
Lenovo	Computers, tablets, smart phones etc.	25% to 35% off Exclusive promos and closeouts
Preferred Hotels	Hotels and resorts	15% off minimum
UnbeatableSale	Online retail Discount store	15% discount
Tripbeat Endless Vacation (Wyndham Destination Network)	Vacation rentals	\$200 weekly discount on rentals
Roku	Streaming TV and media players	\$10 off
Vubiz	E-Learning online classes	Specially Priced
Brookstone	Online retail store	20% off Monthly CAMLT Selection
Solo	Backpacks, tablet cases etc.	25% off
Copa Airlines	Airline tickets	Spring sale for 20% fall travel savings



California Association for Medical Laboratory Technology Membership Application

Personal Information:

Name _____

Check one: () Ms. | () Mrs. | () Mr. | () Dr.

Address _____

City _____ State ____ Zip _____

LFS License/Certificate # _____

Day Phone _____

Preferred Email address:

Check here to opt out of email list

Employment Information:

Employer _____

Address _____

City _____ State ____ Zip _____

Work Phone _____

CAMLT asks you to contribute to one or both of these worthwhile entities:

LAB-PAC

The CAMLT Political Action Committee helps your association advocate on behalf of you and your profession. Help support quality clinical laboratory medicine in the California legislative arena.

*LAB-PAC contributions are NOT tax deductible.
You must be a U.S. citizen to donate.*

Education and Research Foundation

Your tax deductible contribution supports scholarship programs, outreach efforts and students pursuing careers in the clinical laboratory sciences.

Separate checks should be enclosed for each of these worthy causes.

Membership Categories:

Active - \$120 annually

An individual who 1) Holds a license or certification in a clinical laboratory profession issued by the California Department of Public Health or 2) Holds a baccalaureate degree from an accredited college or university and is eligible to sit for a CDPH approved examination; or 3) Holds a Masters or Doctorate degree in science, education or administration and is actively employed in clinical laboratory science.

Collaborative – \$65 annually

An optional special non-voting, non-office holding membership category open to licensed Medical Laboratory Technicians or Certified Phlebotomy Technicians, who desire to support the association. All other membership benefits are afforded. These members are also eligible to apply for active membership if they desire to vote and/or hold office in the association.

Associate - \$75 annually

An individual who has an interest in the field of clinical laboratory science and/or supporting the purposes or goals of CAMLT, but is not otherwise eligible for membership.

Student - \$10 annually

An individual who possesses a valid training license from Laboratory Field Services or who is enrolled in an LFS approved program leading to licensing as a CLS, or MLT or certification as a CPT. Students at accredited universities or colleges that lead to eligibility for licensure or certification from LFS are also eligible to join as student members.

Lifetime - \$1250 one time fee

Meets Active member requirements and submits the one time application fee.

20/20 Option - Additional \$20 annually

An additional \$20 payment at the time of application or renewal entitles the member a 20% discount on CAMLT state sponsored C.E. fees for the year (not applicable to Distance Learning).

Membership Dues _____

20/20 Option _____

Total payable to CAMLT _____

LAB-PAC Contribution (separate check) _____

E & R Foundation Donation (separate check) _____

Applicants are considered for membership in the category which meets their maximum qualifications.

I declare that in making application for membership, I have met the qualifications listed for the category to which I am applying.

Applicant Signature _____

Recruiter (if known) _____

AUTOMATIC RENEWAL AVAILABLE! You now have a convenient new option to pay your CAMLT membership dues!

Automatic renewal: Credit card listed will be charged on the renewal date each year for the same member category. Notice of renewal will be sent fifteen (15) days before the charge is entered to allow for changes in member category or updates to credit card information.

Sign here to enroll for the automatic renewal option: _____ Date: _____

Checks to: CAMLT, LAB-PAC and/or E & R as appropriate – OR -

Credit Card Payment: Visa Master Card

Card# _____ Exp. _____

Three-digit security code (on back of credit card): _____

Date _____ Signature _____

CAMLT's new address as of July 10, 2015:

39656 Mission Blvd., Fremont, CA 94539

Scan/email to: office@camlt.org

Fax to: 510-792-3045 Voice Phone: 510-792-4441

CAMLT - A Smart Partnership



78th Annual Meetings and Exhibits

September 15 - 17, 2017
Santa Clara Hilton

Look inside for details about...

CONTINUING EDUCATION SEMINARS (Friday, Saturday, and Sunday)

STUDENT DAY (Friday)

EXHIBITS (Friday and Saturday)

FUN NITE (Friday)

LAB-PAC RUN/WALK/STROLL (Saturday)

HOUSE OF DELEGATES (Saturday)

LAB-PAC LUNCHEON (Saturday)

INSTALLATION BANQUET (Saturday)

WANT MORE INFORMATION? CONTACT:

TEL: 510/792-4441

FAX: 510/792-3045

WEBSITE: WWW.CAMLT.ORG

CAMLT EXECUTIVE OFFICE
39656 MISSION BLVD.
FREMONT, CA 94539-3000