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 Embassy Suites by Hilton Riverfront Promenade, (Old Town) Sacramento, CA

Take a Look at CAMLT’s Membership Promotions and Incentives Program on page 18

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
Message From the President

“WE BELIEVE IN COURAGE”

It takes courage to stand up for what you believe in.

For 80 years CAMLT members have displayed unmatched courage and dedication to the clinical laboratory professions by presenting our viewpoint and fighting for fair treatment and professional excellence to our state representatives and the public at large.

Our tireless volunteers, officers, and committee members are committed to advancing and preserving our high standards to benefit public health in California.

To support these volunteers, we maintain an office in Fremont with paid staff and retain a legislative advocate, Public Policy Advocates (PPA) to advise us when legislative or regulatory issues affecting our profession are proposed. The costs for these efforts are paid for with memberships and donations. It is vitally important that every laboratory professional in California contributes to this effort...your livelihood depends on it! It’s so easy to donate and join...go to www.camlt.org

How do we get this message of courage out there?

It is through you and your everyday interactions at work. When you accomplish your goals at work every day, you achieve a very satisfying feeling from helping others. You share that feeling with your friends at work who feel like family. Seeking the balance between the hustle of work and the passion that you get being there every day helping others is part of your success. Please go to work for CAMLT’s success by having the courage to explain to your “family” at work how much time and funds are necessary to protect our profession. If we run out of funds and volunteers, CAMLT will stop – and you will be at the mercy of those with a different agenda.

We look forward to seeing you all at our upcoming annual meeting and convention, celebrating our 80th year as a professional association.

This is quite a milestone and we hope all of you will come out and support CAMLT, bring in new members and educate the entire laboratory community about the value and significant accomplishments of CAMLT – Serving California Clinical Laboratory Professionals since 1939.

Our convention committee, comprised of members from Districts I and III, as well as distinguished speakers, have prepared a weekend of topics that will stimulate, enhance, and expand your knowledge and appreciation of your profession.

Take this opportunity to enjoy networking with your friends and colleagues, interact with our exhibitors, and learn about innovative technologies.

WHY SHOULD I VOLUNTEER?

1. Volunteer at the meeting, make some new friends and earn some CEUs.
2. Helping others is a mood elevator.
3. Find your new boss or employee.
4. Opportunities for leadership development.
5. Compare your methods to those from other labs.
6. Social fun and travel!

FIND YOUR REASON TO VOLUNTEER!

We look forward to seeing you September 20-22, 2019 at the Embassy Suites Hotel in Sacramento as we learn and grow our organization together.

Ilene Dickman, MSMT, CLS, MT(ASCP)
President, CAMLT

(Have any suggestions? Email us at office@camlt and get involved for your well-being.)
REQUEST FOR NOMINATIONS FOR 2019-2020 STATE OFFICES AND COMMITTEES

Nominations are now being accepted for CAMLT State Officers and Committee Chairpersons. 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 the nomination to Melissa Bolick, Nominations Chairperson.

Melissa Bolick
e-mail: melissabolick@live.com
or
the CAMLT office at office@camlt.org

The following positions are open:
- President-Elect (one-year term)
- Treasurer (two-year term)
- Secretary (one-year term)
- District I Consultant (two-year term)
- District III Consultant (two-year term)
- District V Consultant (two-year term)
- Bylaws Chair (two-year term):
- Judicial Committee (two-year term) – Two Positions
- Nominations Committee (one-year term) – Five Positions (Districts I through V)

NOMINEES FOR CLP OF THE YEAR AWARD WANTED!

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

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@camlt.org

ANNOUNCING CAMLT EDUCATION AND RESEARCH FOUNDATION’S WINNERS – 2018-19

Winners of free continuing education scholarships (6.0 hours CE) are chosen from among attendees at Convention 2018 and CAMLT seminars 2019. Congratulations!

Convention 2018:
#1: Lori Gillaspy
#2: Sheri Hall
#3: Martha Obeso

2019 Spring Seminars:
#1: Victoria Caruthers
#2: Katherine McElwain
SACRAMENTO – WHERE CAMLT ADVOCATES FOR YOUR PROFESSION!

2019 CONVENTION EVENTS

SEMINARS – Friday, Saturday, Sunday

Choose from 12 seminars (36 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, and 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 from 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. Mark Briones, MA, CLS, CAMLT District III Consultant, and Sharon Wahl, M.Ed., CLS, Program Director at University of California Davis Health, will co-chair this event. All registered 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 and CAMLT Education and Research Foundation.

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

FUN-NITE – Friday

Dinner and Game Night! Try your luck with casino games. Have good old-fashioned fun with various board games. Show off your tossing skills with Corn-Hole. Join us and show your game! There’s always delight with Game Night!

LAB-PAC WALK/RUN/STROLL – Saturday

Join us early Saturday morning for 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 Advocate 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 AND DJ DANCE PARTY – Saturday

Enjoy an evening of delicious food, recognizing those in new CAMLT positions, and celebrate 80 years of CAMLT with a fun dance party hosted by DJ John of Urban League DJs! Let’s party!!!
2019 CONVENTION EVENTS SCHEDULE

Thursday, September 19
CAMLT Board of Directors Meeting: 10:00 AM – 5:00 PM

Friday, September 20
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 21
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: 1:45 – 4:30 PM
Installation Banquet and DJ Dance Party: 7:00 – 10:00 PM

Sunday, September 22
Continuing Education Seminars: 8:30 – 11:30 AM & 1:30 – 4:30 PM
CAMLT Board of Directors Meeting: 8:30 AM – 11:30 AM

2019 CONVENTION COMMITTEE

Ann Tonini (Co-Chair)
Josilyn Schrage (Co-Chair)
Rhonda Becker
Abbie Beran
Melissa Bolick
Mark Briones
Chris Darmanian
Joyce Estes (LAB-PAC)
Patty Fawkes
Jan Vogel
Roy Vogel

2018-2019 BOARD OF DIRECTORS

President............................. Ilene E. Dickman
President-Elect ....................... Valerie Trenev
Past-President ......................... Dora W. Goto
Secretary ......................... Ching-Yi (Joyce) Ma
Treasurer .............................. Josilyn Schrage
District I Consultant.................. Open
District II Consultant.............. Danuta T. Bowler
District III Consultant.............. Mark Briones
District IV Consultant.............. Marc Bernaldez
District V Consultant............... Adam Caughey

CAMLT/NEWSLINE
Volume 45, No. 3
Ilene Dickman, President

Editorial correspondence should be addressed to CAMLT/ Newsline, 39656 Mission Blvd., Fremont, CA 94539-3000.
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 94539-3000, (510) 792-4441, FAX (510) 792-3045, e-mail: office@camlt.org.
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July, 2019 CAMLT/Newsline
GENERAL INFORMATION

“Convention 2019 – Where CAMLT advocates for your profession!”, the 80th Annual Meeting and Exhibits for the California Association for Medical Laboratory Technology, will be held at the Embassy Suites by Hilton Sacramento Riverfront Promenade from Friday, September 20 through Sunday, September 22, 2019. 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 or register online. Early-bird registration must be postmarked by 8/22/2019. 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 $10.00 applies.

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

PARKING: Valet parking is available at the hotel (based on availability) for all hotel and event guests. Valet parking fees are as follows: 6AM to 6PM, $8.00 per hour or $32.00 per day. Overnight guests will receive a $10 discount on 2019 valet parking rates. Hourly rates will apply for guests Valet-parked for 4 hours or less. Self-Parking ($24.00) is located in the city garage adjacent to the hotel (no large vehicles).

AIRPORT TRANSPORTATION: Sacramento International Airport; Directions: Take I-5 south and exit J Street; turn right on 3rd Street and turn right on Capitol Mall. Hotel is on the left. Distance from Hotel: 10 mi.; Drive Time: 15 min.

HOTEL DRIVING DIRECTIONS:
• From North - take I-5 going south; exit J Street heading east. Turn right on 3rd Street and turn right onto Capitol Mall. Hotel is on the left.
• From South - take I-5 going north; exit J Street heading east. Make a sharp right onto 3rd Street and turn right onto Capitol Mall. Hotel is on the left.
• From East - take I-80 heading west. Take I-5 south; exit J Street heading east. Turn right on 3rd Street and turn right onto Capitol Mall. Hotel is on the left.
• From West - take I-80 heading east. Take Capitol Freeway. Take I-5 north; exit J Street heading east. Make a sharp right onto 3rd Street and turn right onto Capitol Mall. Hotel is on the left.
• From Amtrak Station: SAC - Exit the station, turn right onto I Street. Turn left onto 3rd Street and turn right onto Capitol Mall. Hotel is on the left.

LOCAL ATTRACTIONS (partial list): Museums, Casinos, Golfing, State Capitol, Old Sac, Horn Blower River Cruises, Raley Field

PUBLIC TRANSPORTATION

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CAMLT REFUND POLICY
• Complete refund issued for programs cancelled by CAMLT.
• Complete refund for programs canceled by participant must be requested in writing by 8/22/2019 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 8/22/2019 and prior to 9/14/2019.
• Refunds/credits not applicable to cancellation requests after 9/14/2019.

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 2019 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.
You will be staying at the...

**Embassy Suites by Hilton Sacramento Riverfront Promenade**

100 Capitol Mall  
Sacramento, CA 95814  
916.326.5000


Enjoy the best of historic Old Town Sacramento and the modernity of downtown. The centrally-located Embassy Suites Sacramento-Riverfront Promenade hotel provides a comfortable all-suites experience. Stroll along the Riverfront Promenade and walk to the iconic Tower Bridge. Enjoy the plethora of shows featured at the Golden 1 Center, located within walking distance of the hotel. Visit the California State Capitol. Each two-room suite features separate living and sleeping areas, a sofa bed, an armchair and a microwave. Enjoy complimentary in-suite Wi-Fi (a $12/day savings). Wake up to a free cooked-to-order breakfast. Unwind at the Evening Reception serving complimentary drinks and canapés. Dine in the understated, elegant Tower Bridge Bistro while you enjoy New California-Tuscan cuisine alongside tranquil views of the Sacramento River. Work out at the fitness center, enjoy a swim at the heated indoor pool or unwind in the whirlpool.

**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 Embassy Suites by Hilton Sacramento Riverfront Promenade 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 $169.00 USD per night for Single/Double. Room rates are quoted exclusive of applicable state and local taxes (which are currently 12% occupancy tax, 3% Sacramento Tourism Assessment and 0.20% CA Tourism Assessment per night) or applicable service, or hotel specific fees in effect at the hotel at the time of arrival. Don’t wait until the last minute to reserve your room. Use the unique Reservations Group/Convention Code that has been created for us – **CA9** – when booking your reservation by one of the following methods: 1) Call the hotel’s Direct Line – 916.326.5000 – and ask for the CAMLT 2019 Annual Meeting discount of $169/night.; 2) On-line via the Internet using the Personalized Group Web Page: [https://embassysuites.hilton.com/en/es/groups/personalized/S/SACESES-CA9-20190919/index.jhtml?WT.mc_id=POG](https://embassysuites.hilton.com/en/es/groups/personalized/S/SACESES-CA9-20190919/index.jhtml?WT.mc_id=POG); or 3) Reservations can also be made at [www.sacramento.embassysuites.com](http://www.sacramento.embassysuites.com) using the specific group code: **CA9**. Note: 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 22, 2019. Reservation requests received after the cut-off date will be accepted based upon availability.

**Guest Room Charges – Individual Expense**: Individual guests will pay their own account upon departure. American Express, Diners Club, JCB International, MasterCard and VISA are accepted. There will be a charge of $25 per night for each additional guest in suite (if more than 2 adults per suite). Any individual cancellations made within 48 hours of scheduled check-in will be billed for one nights’ suite and tax. Any no-shows will be billed for one night’s suite and tax. Guests departing early will be charged a 50% early departure fee. Guests wishing to avoid an early check-out fee should advise the hotel at or before check-in of any changes in planned length of stay.

**Check-In/Out Time**: Check-in time is 4:00 pm on arrival day and reserved until 11:00 AM on departure day. Any attendee wishing special consideration for late checkout should inquire at the front desk on the day of departure. Should the Hotel allow for late check-out, it may impose a half-day rate.

**Hotel Guest Room Amenities and Hotel Facilities**: Please visit the Embassy Suites by Hilton Sacramento Riverfront Promenade website for details.
2019 Exhibitors

Abbott Diagnostics
Beckman Coulter
BioFire Diagnostics
Cooper Surgical
Diagnostica Stago
Fusion Medical Staffing
MilliporeSigma
Quest Diagnostics
Sarstedt
Sebia USA
Sutter Health
UC Davis Medical Center
SPONSORS

Abbott Laboratories – Speaker
ARUP Laboratories – Speaker
Beckman Coulter – Speaker
Bio-Rad Laboratories – Speaker
Diagnostica Stago – Speaker
Fusion Medical Staffing – Fun-Nite
LSG & Associates – Speaker
Natividad Health – General
Qiagen – Speaker
Quest Diagnostics – Gold
Sebia USA – Speaker
SF State University – Speaker
Sysmex America – Speaker
East Bay Chapter CAMLT – General
Thrombosis: What’s the risk? Will I Be One of the Unfortunate Ones?

195-100 – 3.0 CE – Level of Instruction: Intermediate
Katherine (Katy) Whelchel, MT(ASCP)SH
Technical Sales Representative
Diagnostica Stago, Inc.
Parsippany, NJ
Sponsored by Diagnostica Stago, Inc.

Abstract: Acquired and inherited thrombotic risk is multifaceted. Patient thrombotic risk is reliant on many independent but also inter-dependent factors. Our session will explore both genetic and external risk factors, what testing should be done, if any, and how the hemostasis laboratory is an integral part of the diagnostic team.

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

Part II: Diabetes – Is it Worth Talking About?

195-101 – 3.0 CE (Note: you must attend all parts to receive credit) – Level of Instruction: Basic
Maria Crisostomo, BS, MBA – Senior Product Manager
Gregory Stewart, BS, MBA – Senior Product Manager
Bio-Rad Laboratories, Inc.
Hercules, CA
Sponsored by Bio-Rad Laboratories, Inc.

Abstract (Part I): The first part 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.

Abstract (Part II): The second part will begin by looking at the impact of diabetes within the U.S. An overview of diabetes will follow allowing the participants to understand the types of diabetes that are present and the guidelines for diagnosing an individual as diabetic. A summary of the different methods for diabetes testing will complete this second part of the session.
Diagnostic Medical Parasitology Update

195-200 – 3.0 CE – Level of Instruction: Intermediate
Lynne S. Garcia, MS, F(AAM), MT(ASCP), BLM(AAB)
Director
LSG & Associates
Santa Monica, CA
Sponsored by LSG & Associates

Abstract: A comprehensive review of ordering, collection and diagnostic methods (including molecular), organism recovery and identification (protozoa, selected helminths, blood parasites), the importance of report comments, risk management issues (STATs, potential errors), and a practical approach to parasitic diagnostic options. Changing infections within the United States will also be covered.

HbA1c: New Factors, New Perspectives in the Monitoring of Diabetes

195-201 – 3.0 CE – Level of Instruction: Basic to Intermediate
Matthew C. Wagner, PhD
Scientific Affairs Specialist
Sebia USA
Brownsburg, IN
Sponsored by Sebia USA

Abstract: Hemoglobin A1c has been widely accepted as a primary biomarker for the diagnosis and monitoring of diabetics and a predictor of diabetic complications. However, recent updates to ADA guidelines have highlighted issues surrounding the monitoring of Hemoglobin A1c in diverse populations where hemoglobin variants and/or thalassemias are common and frequently undiagnosed. How does changing the structure of an individual’s hemoglobin molecules affect the ability of HbA1c to reflect an individual’s diabetic state? This talk will first establish the mechanics of Hemoglobin A1c formation and then cover the mechanism whereby current platforms detect this glycated hemoglobin. We will then see how the presence of hemoglobin variants or thalassemias may impact either the ability of HbA1c to accurately reflect diabetic state, or the different platforms to accurately measure HbA1c. Special attention will be given to known interferences for each method, and the advantages of separation techniques over “black box” techniques will be highlighted. To aid in understanding, brief attention will be given to several of the major hemoglobin variants and their impact on patient health. Understanding these topics will assist laboratory technologists and clinicians in understanding HbA1c results which appear discrepant with patient condition or are outside of supposed physiologic range.
Saturday Morning Courses
September 21, 2019
8:30 – 11:30 AM

Tuberculosis Screening in California. IGRAs and TB Skin Tests for Health Care Personnel
195-300 – 3.0 CE – Level of Instruction: Basic to Intermediate
Curtis Chow, FNP, PA-C, MBA
Employee Health Nurse Practitioner and Manager
Mercy Medical Center
Redding, CA
Sponsored by QIAGEN

Abstract: Tuberculosis screening for Health Care Personnel (HCP) is an evolving program for Employee Health Services. Both the definition of HCP and methods for screening have changed over the past decades. Additionally, there has been talk within State-level entities and professionals about over-testing HCP, especially in low risk areas of California. This talk will present the current tuberculosis screening capabilities with the emphasis of Interferon Gamma Release Assay (IGRA) testing. This talk with also highlight the newest IGRA testing method, the Quantiferon Plus and how IGRA testing will impact clinical laboratories.

What’s in and What’s Out? New CBC Parameters for Clinical Diagnosis
195-301 – 3.0 CE – Level of Instruction: Intermediate
Becky Socha, MS, MLS(ASCP)SM BBCM
Sysmex America, Inc.
Lincolnshire, IL
Sponsored by Sysmex America, Inc.

Abstract: This presentation will provide an overview of historical milestones in hematology automation and a discussion of three advanced clinical parameters available on modern hematology analyzers. Bands and Immature granulocytes (IG) will be defined and contrasted in a discussion of the transition in hematology from the manual differential to the automated differential. Case studies will be presented that illustrate clinical benefits of the automated immature granulocyte count in diagnosis and monitoring of disease. New reticulocyte parameters will be defined and described. Case studies will demonstrate how the Reticulocyte hemoglobin (Ret-He) parameter can be used in early detection of iron deficiency anemia and for monitoring response to iron therapy. In the last part of the presentation, the various etiologies of thrombocytopenia will be explored through case studies and discussion of the concept of reticulated platelets and the immature platelet fraction (IPF). The presentation will allow participants to analyze CBCs and correlate advanced clinical parameter results with physician diagnoses.
Part I: Clinical Drug Abuse Testing

Part II: Cost Effective Utilization of Urine Drug Testing for Chronic Pain Management Patients

195-400 – 3.0 CE (note: you must attend all parts to receive credit) – Level of Instruction: Intermediate

Gordon J. Nelson, C(ASCP), NRCC-TC
Operations Director
ARUP Laboratories
Salt Lake City, UT
Sponsored by ARUP Laboratories

Abstract (Part I): Traditional drug abuse testing is a two-step process. A non-specific method is used, such as immunoassay, as a panel screen test to detect all positive results by drug class. Each positive screen result is confirmed by a more specific targeted quantitative chromatography/mass spectrometry test. This presentation will review the purpose of drug abuse testing, provide an overview of the process, discuss challenges and review testing methods used for specimen validity, screening and confirmation testing.

Abstract (Part II): The costs associated with traditional urine drug testing models for pain management can be excessive due to inappropriate testing performed, such as reflex confirmation testing for all positive screen results that are not clinically useful. This presentation will describe cost effective strategies that eliminate unnecessary testing and inappropriate interpretations for pain management patients.

Part I: Understanding Procalcitonin

195-401 – 3.0 CE (note: you must attend all parts to receive credit) – Level of Instruction: Basic to Intermediate

Moe R. Abouzari, DPM, MBA
Medical Science Liaison
ThermoFisher Scientific
San Diego, CA
Sponsored by Abbott Laboratories

Abstract (Part I): Describe the pathophysiology and kinetics of Procalcitonin (PCT), correlate PCT utilization and compare its value to other commonly used biomarkers, and finally review actual patient cases demonstrating PCT functionality in assessing patient health. This program is designed for basic to intermediate audiences.

Part II Title: Program planning in progress. Check CAMLT website for updates

Speaker, TBA
Speaker Title: TBA
Affiliation: TBA
City, STATE
Sponsored by TBA

Abstract (Part II): TBA
WORKSHOP ABSTRACTS

Sunday Morning Courses
September 22, 2018
8:30 – 11:30 AM

Part I: Evolving Use of Cardiac Troponin in the Emergency Department
Part II: Clinical Advancements for the Emergency Department: Sepsis

195-500 – 3.0 CE – Level of Instruction: Basic/Intermediate

Thomas K. Bane, PhD
Director of Medical and Scientific Affairs
Brea, CA
Sponsored by Beckman Coulter

Abstract (Part I): This presentation discusses the challenges in the diagnosis of myocardial infarction, a complex medical decision requiring the cooperative collaboration and timely flow of accurate information and procedures between several key hospital personnel – from nurses and phlebotomists to the laboratorian and back to the medical specialists – in order to ensure optimal patient outcomes.

Abstract (Part II): The diagnosis of sepsis is a complex medical decision requiring the cooperative collaboration and timely flow of accurate information and procedures between several key hospital personnel from nurses to the laboratorian to the medical specialists in order to ensure optimal patient outcomes. Approaches to the diagnosis and treatment of suspected sepsis in the ED are government mandated and can vary significantly. We will discuss the guidelines and tools available currently. This will include Chemistry and Immunoassay panels as well as recently FDA approved In Vitro Diagnostics known as Early Sepsis Indicator (ESId) and its effect on ED procedure, treatment, economics and most importantly, patient outcomes.

Title: TBA (Program planning in progress. Check CAMLT website for updates)

195-501 – 3.0 CE – Level of Instruction: TBA

Speaker, TBA
Speaker Title: TBA
Affiliation: TBA
City, State: TBA
Sponsored by TBA

Abstract: TBA
Sunday Afternoon Courses
September 22, 2019
1:30 – 4:30 PM

The Personal Touch: Status and Future Outlook of Personalized Medicine in the Clinical Laboratory
195-600 – 3.0 CE – Level of Instruction: Intermediate
Matthew Silverman, PhD
Lecturer – CLS Internship Program
San Francisco State University
San Francisco, CA
Sponsored by San Francisco State University

Abstract: “Personalized Medicine” is a popular term in both modern medicine and culture, framing the future of what medical care is expected to be like. But what exactly is “personalized medicine” and how can we expect it to impact laboratory diagnostics? This lecture will cover the current status of personalized medicine as it impacts the laboratory, as well as what changes we can likely expect in the decade to come. While we typically think of genomics and molecular testing as the main drivers of these changes, there are a wide range of other tests that labs will need to consider as they adapt to this changing landscape, particularly areas like proteomics and metabolomics. While this will certainly be a challenge for us to adapt to, these advances also offer great opportunities to improve efficiency and reduce costs for both our labs and our hospitals, as well as add that “personal touch” that we all want to see in our health care.

Title: TBA (Program planning in progress. Check CAMLT website for updates)
195-601 – 3.0 CE – Level of Instruction: TBA
Speaker, TBA
Speaker Title: TBA
Affiliation: TBA
City, STATE
Sponsored by TBA

Abstract: TBA
### Friday, September 20, 2019

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</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Student Forum</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Thrombosis: What's the risk? Will I Be One of the Unfortunate Ones?</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Diagnostica Stago, Inc.</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Diagnostic Medical Parasitology Update</td>
</tr>
<tr>
<td></td>
<td>Sponsored by LSG &amp; Associates</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>HbA1c: New Factors, New Perspectives in the Monitoring of Diabetes</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Beckman Coulter</td>
</tr>
</tbody>
</table>

### Saturday, September 21, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Tuberculosis Screening in California: IGRA and TB Skin Tests for Health Care Personnel</td>
</tr>
<tr>
<td></td>
<td>Sponsored by QIAGEN</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>What's in and What's out? New CBC Parameters for Clinical Diagnosis</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Sysmex America</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Clinical Drug Abuse Testing</td>
</tr>
<tr>
<td></td>
<td>Sponsored by ARUP Laboratories</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Understanding Procalcitonin</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Abbott Laboratories</td>
</tr>
</tbody>
</table>

### Sunday, September 22, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Evolving Use of Cardiac Troponin in the Emergency Department</td>
</tr>
<tr>
<td></td>
<td>Sponsored by Beckman Coulter</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Part II: Program Planning in Progress; Check Camlt Website for Updates</td>
</tr>
</tbody>
</table>

### Notes
- (Note: you must attend all parts to receive credit)
- TBA: Title of session in progress. Check CAMLT website for updates.
- Speaker: TBA
- Jordan, Santa Maria University
CAMLT 2019 ANNUAL MEETING
REGISTRATION FORM

September 20-22, 2019
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 or Certificate #: ____________________
Employer: ________________________________________
Work Address: ______________________________________
City: __________________ State: ______ Zip: ___________

(   ) Check here to register as a Clinical Science student*
*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 8/22) Pre-Registration fee:
(If postmarked after 8/22)
(   ) Member: $30 (   ) Member: $45
(   ) Non-member: $50 (   ) Non-member: $65

(   ) 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., 195-100):

<table>
<thead>
<tr>
<th>AM</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri., 9/20</td>
<td></td>
</tr>
<tr>
<td>Sat., 9/21</td>
<td></td>
</tr>
<tr>
<td>Sun., 9/22</td>
<td></td>
</tr>
</tbody>
</table>

Member: $45 if attending only one workshop
$40 for each workshop if attending more than one
# of workshops _____ X _____ = $______

Non-Member: $75 if attending only one workshop
$65 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-Nite (Friday, 9/20)
_____ tickets @ $55 ea. = ________
Installation Banquet and DJ Dance Party (Saturday, 9/21)
_____ tickets @ $60 ea. = _________
(Indicate your choice: [ ] Beef [ ] Fish [ ] Vegetarian)

F. STUDENT FORUM: Friday, 9/20 - 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., 9/21) _____ @ $25 ea. = $______
Lab-PAC Luncheon (Sat., 9/21) _____ @ $45 ea. = $______

GRAND TOTAL (A+B+C–D+E+G) $ ____________

METHOD OF PAYMENT:
(   ) Check Payable to: CAMLT 2019 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 2019 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

Pre-registration deadline: Tuesday, September 10, 2019 at Noon
(Registrations received after the above date/time will not be processed.
Please register on-site or on-line.)

Online registration and PayPal payment available at www.camlt.org
MEMBERSHIP Promotions and Incentives

New Member Promotions*
1. All New Members: one 3-unit CE seminar discount certificate.
2. Dual Membership Promotional Incentive: 25% refund off first year membership dues and $15 discount certificate toward CE offered to members of professional clinical laboratory organizations (other than CAMLT) who have never been a member of CAMLT.

Renewing Professional Member Promotion*
1. One 3-unit CE seminar discount certificate.
* not available with discounted memberships

Incentives
1. Recruiter for each new member: $15 discount certificate toward CE
2. Recruiter for 4 new members within 6 months: one year membership dues paid
3. Conversion from student to professional membership: One 3-unit CE seminar and $25 discount certificate toward CE
4. Professional Discounts (Special Offer for Renewing Members):
   a. 6 Distance Learning CEUs for $60 instead of $72
   b. 9 Distance Learning CEUs for $85 instead of $108
   c. 12 Distance Learning CEUs for $110 instead of $144
5. $10 per CEU seminar discount
6. $10 per CEU distance learning discount
7. Monitor CE programs and get rewarded with a free workshop
8. 20/20 Option: An additional $20 payment at the time of application or renewal entitles the member a 20% discount on CAMLT state sponsored CE fees for the year (not applicable to Distance Learning)
9. Convention registration fee discount: amount varies by committee
10. Access to “Members Only” webpages, officers listing, Affinity benefits and publications

How to Get Your Promotion and Incentive
1. When joining Online, indicate which promotion or incentive you are applying for in the Notes and Comments section. If you are applying for the Dual Membership, please include the name of the Association you are a member of and your membership number. Once this is verified, your discount will be applied, via PayPal, as a refund.
2. When joining via mail, print off pdf and indicate which promotion or incentive you are applying for in the Notes and Comments section. If you are applying for the Dual Membership discount, please include the name of the Association you are a member of and your membership number. If you are paying by Credit Card, your card will be charged the discounted amount, once your membership is verified. If paying by check, your discounted amount will be refunded by return check once your membership is verified.

You can send your application via mail, fax or scan and email it in.
http://camlt.org/membership/registration

We’ve got your back!

www.camlt.org
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.

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) _________________________________

Membership Categories:
[ ] Professional - $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.

[ ] 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 Professional 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) _________

Notes, Comments, Promo Codes

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 ____________________________
We are pleased to invite you to attend CAMLT’s 80th Annual Meetings and Exhibits at the Embassy Suites Hotel in Sacramento on **September 20, 21 and 22**. The hotel is located in Old Town Sacramento and is close to many restaurants, shops and entertainment venues.

Hosted by Districts I and III, the volunteers have put in many hours planning this event for your enjoyment.

- Three full days of **educational sessions** have plenty of interest for the generalist or specialist. (With the lowest rates in the industry, CAMLT’s Annual Meetings and Exhibits offers the best return on your investment.)
- The **Student Forum** offers a special day for students to participate and learn.
- Enjoy the entertainment and games at **Fun-Nite** on Friday.
- Start out Saturday morning by walking (or running) around the pathways along the river while simultaneously making a donation to Lab-PAC at the **Lab-PAC Run/Walk**.
- Come to the **Lab-PAC Luncheon** Saturday and hear a local legislator speak.
- The **Exhibits** feature manufacturers, developers and recruiters. Come and see the latest laboratory technology and job opportunities.
- The **House of Delegates** encompasses representatives from chapters around the state. Come and become part of the decision-making process, or just see how it works.
- The **Installation and Awards Banquet** will provide an opportunity to connect with old friends and make some new ones in a back-drop of music.

In order to continue the many benefits CAMLT offers, we have set a goal to double our membership; do come to the convention and bring a friend or two!!!