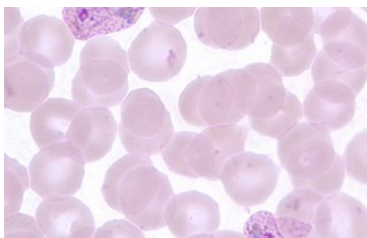




**32nd Annual NCASM Spring Meeting
MARCH 6th & 7th, 2015**

**Trending Topics in Microbiology
#NCASM2015**



THE CEU COURSE NUMBERS FOR THIS MEETING ARE 15-001 THROUGH 15-005 AND 15-007

PLEASE SUPPORT OUR SUSTAINING MEMBERS...
Their support helps bring you this meeting!

PLATINUM:

*ADVANDx
AMERICAN SOCIETY FOR MICROBIOLOGY
BECKMAN COULTER DIAGNOSTICS
BIOFIRE
MEDICAL CHEMICAL CORPORATION*

GOLD:

NANOSPHERE

SILVER:

*ADVANCED INSTRUMENTS
ANAEROBE SYSTEMS
GG & B COMPANY*

**ONLINE
REGISTRATION!!**

NCASM WEBSITE URL:

<http://www.asmbanches.org/brcano/index.html>

★★ FRIDAY — MARCH 6 ★ Registration and Continental Breakfast, Olympic Ballroom & Lobby ★ 7:00 AM ★★

★SESSION 1: Bacterial Bites: The Science of Food Safety

Location: The Masters Salon

Convener: Elizabeth Antaki, PhD, UC Davis, Davis, CA

8:25 - 8:30 Welcome and Announcements

8:30—9:20 **Spread of Enteric Pathogens by Wildlife and Domestic Animals “Down on the Farm”**
Michele Jay Russell, DVM, MPVM, PhD, DipIACVPM — Western Cir for Food Safety, UC Davis
Are wild animals having parties in our agricultural fields? In this talk you will learn about research looking into potential food pathogen reservoirs in the environment.

9:20 - 10:10 **Break - Coffee and Tea in the Exhibit Hall — Olympic Ballroom Gold & Silver**

10:10 - 11:00 **Whole Genome Sequencing (WGS) of Foodborne Bacteria at the FDA Field Laboratories**
Okumu K’Aluoch, MS — FDA, Alameda, CA

This talk will showcase the FDA’s new CSI tool. When a “crime” is committed by bacteria, their public genome sequence database will help epidemiological investigations by tracking bacterial foodborne contamination in the nation’s food supply.

11:00 - 11:50 **Foodborne Outbreaks**

Akiko Kimura, MD — CA Department of Public Health, Gardena, CA

Dr. Kimura will give us an overview of outbreak surveillance efforts and the impact of foodborne illnesses in the Golden State. And how laboratory microbiologists are heroes in the investigation effort.

★SESSION 3: Splish Splash: Aqueous Microbiology
Location: The Masters Salon
Convener: Janice Hamer, Biovir Laboratories, Benicia, CA

1:40 - 2:30

Ground Water Replenishment System: Indirect Potable Reuse as a New Water Source
Jana Safarik, BS, MBA — Orange County Water District, Fountain Valley, CA

If you wonder how we are ever going to get enough drinking water during our drought, Orange County Water District has been leading the way with their innovative approaches for decades. This talk will showcase their efforts through the years and present microbiological data on membrane biofouling.

2:30 - 3:20 **Break - Refreshment in the Exhibit Hall — Olympic Ballroom Gold & Silver**

3:20 - 4:10 **Water Laboratory Alliance**

Lailsha Mapp, MS — EPA, Washington, DC

Learn about this arm of the Environmental Protection Agency whose charge is to protect our drinking water system against intentional and unintentional chemical, biological or radiological threats through a coordinated effort.

4:10 - 5:00 **The Silicon Valley Advanced Water Purification Center in San Jose, CA**

Angela Cheung, PE, T5 — Santa Clara Valley Water District, Santa Clara, CA

Come hear about a local response to our drought conditions: a state of the art water reclamation facility which commenced operations just last year.

★SESSION 2: Clinical Microbiology—Sleuthing for Answers

Location: Olympic Ballroom — Bronze

Convener: Mir Noorbash, PhD D(ABMM) Valley Care Med Ctr, Pleasanton, CA

8:25 - 8:30 Welcome and Announcements

8:30 - 9:20 **An Update on Periprosthetic Infections**

James Huddleston, MD — Stanford University Medical Center, Redwood City, CA
What happens when you put foreign “hardware” into a patient? Dr. Huddleston, a real life travelling hip Fellow will enlighten us with a Surgeon’s perspective of joint replacement infections in hips and knees.

9:20 - 10:10 **Break - Coffee and Tea in the Exhibit Hall — Olympic Ballroom Gold & Silver**

10:10 - 11:00 **Processing and Workup of Urine Specimens in the Clinical Laboratory**

Susan Novak-Weekley PhD, D(ABMM) Kaiser Regional Ref Lab — N. Hollywood, CA
Urine cultures account for the majority of the workload in the clinical lab. Can we make this high volume testing more efficient? What are the preferred pre-analytical and work up practices? Can newer technologies help?

PRESENTATION SPONSORED by the MARILYN COWARD FUND

11:00 - 11:50 **An Anterior Myelitis Syndrome in California**

Emmanuelle Waubant, MD PhD, UCSF — San Francisco, CA

It’s a classic whodunit: what caused flaccid paralysis in children last year: was it EV-D68 or something else? Dr. Waubant will lead us in the investigation into the cause of this mysterious syndrome.

LUNCH — EXHIBIT HALL, Olympic Ballroom — Gold & Silver 11:50 - 1:40 PM

★SESSION 4: Trends in Identification of Pathogens

Location: Olympic Ballroom –Bronze

Convener: Elizabeth Joyce, PhD UCSF

1:40—2:30

Behind the Scenes of MALDI-TOF Integration into the Clinical Lab

Indre Budvytiene, MS — Stanford Healthcare Clinical Microbiology Lab — Palo Alto, CA
If you think MALDI –TOF is an explosive cocktail, then this session will enlighten. Ms. Budvytiene will share her knowledge on this assay and her laboratory’s experience using it in routine testing.

2:30 - 3:20 **Break - Refreshment in the Exhibit Hall — Olympic Ballroom Gold & Silver**

3:20 - 4:10 **Molecular Detection of Beta-Hemolytic Streptococcus**

Jennifer Dien Bard, PhD, D(ABMM), FCCM — Children’s Hospital LA, USC, Los Angeles, CA
The beta hemolytic streptococci are formidable pathogens that have nasty complications when not identified promptly. Dr. Bard will give us an overview of current lab testing guidelines and options available for ASAP detection.

4:10 - 5:00 **Use of Chromogenic Agar in the Clinical Microbiology Laboratory**

Susan Novak Weekley, PhD, D(ABMM) — Kaiser Regional Reference Lab—N. Hollywood
Microbiology can be colorful! Come hear how chromogenic agar is used for the isolation and detection of many pathogens, and how to integrate it into the workflow for specific culture workups.

★ FRIDAY 5:00 - 6:30 RECEPTION and EXHIBITOR RAFFLE in the EXHIBIT HALL ★

★★ SATURDAY — MARCH 7 ★ Registration & Continental Breakfast, Olympic Ballroom & Lobby ★7:00 AM ★★

★SESSION 5: The (Antimicrobial) Resistance Movement

Location: Olympic Ballroom – Bronze

Convener: Mahtab Shahkarami, MS, PHM, CA Dept Public Health, Richmond, CA

7:55 - 8:00 Welcome and Announcements

8:00 - 8:50 **Salmonella and Fluoroquinolones: Where Are We Now?**

Eszter Deak, PhD, D(ABMM) — Santa Clara Valley Medical Center, San Jose, CA
Fluoroquinolones are the front line of defense against invasive *Salmonella* infections. But are the bacteria becoming increasingly resistant? Dr. Deak will share the latest information on resistance mechanisms and recommendations for susceptibility testing.

8:50 - 9:50 **Break - Coffee and Tea in the Exhibit Hall — Olympic Ballroom Gold & Silver**

9:50 - 10:40 **What's New From CLSI (Clinical and Laboratory Standards Institute)**

Linda M. Mann, PhD, D(ABMM) — Sacramento, CA

CLSI sets the standard for the global laboratory community: they promote quality practices and excellence in laboratory medicine testing. Dr. Mann will let us know the latest requirements and guidelines from this group.

10:40 - 11:30

The Complex regulation of Plasmid-Encoded Beta-Lactamases

Nancy Hanson, PhD — Creighton University, Omaha, NE

Plasmids, transposons, integrons-these are not the latest outer-space discoveries; rather they are the mobile elements that easily spread antibiotic resistance. Dr. Hanson joins us to discuss the complexities of plasmid mediated resistance.

PRESENTATION SPONSORED by the ASM BRANCH LECTURES PROGRAM

★SESSION 7: Think Globally, Act Locally

Location: Olympic Ballroom – Gold & Silver

★ *Convener: Manjula Mudambi, PhD, CLS — NCASM President 2013-2015*★

1:30 - 2:20

Valley Fever: Disease and Diagnosis

James L. Beebe, PhD, D(ABMM) — San Luis Obispo Public Health Lab, San Luis Obispo, CA

We've got the fever-and not in a good way! Dr. Beebe will help us understand the ins & outs of coccidiomycosis, from it's role in the environment to our role in diagnosis and treatment of this dimorphic fungus.

PRESENTATION SPONSORED by the CARLYN HALDE FUND

2:20 - 3:10

The Global Explosion of Gram-negative β -Lactamase Producers

Nancy Hanson, PhD — Creighton University, Omaha, NE

Recent events in the news have shown that "it's a small world" when it comes to outbreaks. Dr. Hanson will share some travel dialogues about the global impact of the spread of β -lactamase resistance.

PRESENTATION SPONSORED by the ASM BRANCH LECTURES PROGRAM

3:10 - 4:00

If You Can't Beat 'Em...: Tolerance in Malaria Infection

Charlie Kim, PhD — UCSF, San Francisco, CA

Wouldn't it be nice to take a vaccine for Malaria instead of downing a prophylactic cocktail every day? Dr. Kim's research is a quest to do just that by utilizing a combined immunology and systems biology approach to understand how immunity to malaria is established. This approach could help stop this pathogen which infects an estimated 219 million people each year.

PRESENTATION SPONSORED by the PUBLIC HEALTH EDUCATION FUND

★SESSION 6:

Location: The Masters Salon

Convener: Dennis F. Mangan, PhD, Chalk Talk Science, Santa Rosa, CA

7:55 - 8:00 Welcome and Announcements

8:00 - 9:10 TED Style Talks

Do you wonder what microbiology trends students are watching, and what research they are conducting? Then don't miss this entertaining and informative session: you will be treated to a smorgasbord of trending topics in microbiology by our talented students. They have been coached to deliver clearly prepared and well-rehearsed TED*-style talks that are designed to inspire us and get our creative juices flowing!

9:10 - 9:50 **Break - Coffee and Tea in the Exhibit Hall — Olympic Ballroom Gold & Silver**

9:50 - 11:40 **Continuation of TED style Talks**

*TED (Technology, Entertainment, and Design) is a non-profit devoted to spreading ideas, usually in the form of short, powerful talks.

Session 6 is our Student Session, sponsored by the American Society for Microbiology. A schedule of speakers and talk titles will be available at the registration desk.



★★ LUNCH and NCASM Business Meeting 11:40 - 1:30 ★★ *Olympic Ballroom – Gold & Silver*

32nd Annual NCASM Meeting MARCH 6th & 7th, 2015

PREREGISTRATION DEADLINE –online by noon on **3/3/2015**; mail-in postmarked by **2/28/2015**



NCASM Secretary:

Katya Polovina

*Department of Microbiology & Immunology
University of California, San Francisco
513 Parnassus Ave, S-465
San Francisco, CA 94143*



DoubleTree by Hilton Hotel, Pleasanton @ the Club—Pleasanton, CA

7050 Johnson Dr.

Pleasanton, CA 94588

At the intersection of I-580 & I-680

The hotel has just finished a stylish renovation, including the rooms. Special meeting room rate: \$82.00

Please use the following website for reserving rooms:

http://doubletree.hilton.com/en/dt/groups/personalized/P/PLEPCDT-NCA-20150305/index.jhtml?WT.mc_id=POG

***** Rate cut-off Feb. 19th, 2015 *****

Register for this group rate by asking to book with the NCASM Meeting (code = NCA)

Directions to the Doubletree by Hilton, Pleasanton @ the Club:

From SF:

Take I-80 East to the Bay Bridge / Oakland to I-580 East (towards the I-580/CA24 split). Continue on I-580E, exit at Hopyard Rd. Turn right onto Hopyard Rd. Turn right at Owens Dr. Take the second right onto Johnson Dr. The hotel is in the curve of Johnson Drive.

From the Peninsula:

Take US-101 to the San Mateo Bridge I-92. Take I-92 East to I-880 North. Continue on I-880 N to CA-238 (exit 31A). Follow ramp onto CA-238 towards Castro Valley/Stockton. Merge onto I-580 East, continue to the Hopyard Rd. exit. Turn right on to Hopyard Rd. Turn right at Owens Dr. Take the second right onto Johnson Dr. The hotel is in the curve of Johnson Drive.

From the South Bay:

Take I-880 North to exit 12A (Mission Blvd). Continue towards I-680N (to Sacramento). Continue on I-680N to exit 29 (Stoneridge Dr. 16 miles). Exit at Stoneridge, Take a right at bottom of ramp. Driving right on Stoneridge, take the first left onto Johnson Dr. The hotel is in the curve of Johnson Drive.

From the North Bay:

Take US-101 to I-580 East. Take the I-580E to the Richmond-San Rafael Bridge. Cross the bridge and follow the sign reading "I-580 E to Downtown Oakland / Hayward / Stockton", continuing on I-580E; exit at the Hopyard Rd. exit. Turn right on to Hopyard Rd. Turn right at Owens Dr. Take the second right onto Johnson Dr. The hotel is in the curve of Johnson Drive.

From the East Bay:

The Conference site is located at the intersection of I-580 and I-680 on the opposite side of 680 from Stoneridge Mall. Exit 580 at the Hopyard Rd. exit. Turn right onto Hopyard Rd. Turn right at Owens Dr. Take the second right onto Johnson Dr. The hotel is in the curve of Johnson Drive.

GENERAL INFORMATION

Full Registration

Includes all sessions for both days, exhibits, refreshments, and all food and beverage functions provided by NCASM throughout the entire meeting.

Single Day Registration

Includes sessions, exhibits, refreshments, and all food and beverage functions provided by NCASM for the day of registration.

Student Registration (Full Time Students Only)

Includes sessions, exhibits, refreshments, and all food and beverage functions provided by NCASM for the time attending. When registering, students MUST submit a copy of a valid STUDENT I.D. CARD. One fee is valid for either day or for the entire meeting.

Transportation & Parking

The Hilton Doubletree offers free parking. Overflow parking is available behind the hotel. The hotel is 1 mile from the Dublin BART station, and there is a free hotel shuttle for overnight guests.

Membership

NCASM membership runs from January 1 to December 31 of each year. Membership is \$25.00 a year and student membership is \$5.00 a year. Membership in NCASM gives you a network within the microbiology community. As a member you will receive notification of two general meetings a year, **free** CEUs at NCASM meetings, and information regarding regional meetings and events in your area.

Exhibits

Take the opportunity to visit with the companies that provide products and services to your laboratory. Exhibits are open during all the breaks, Friday at lunch and during the Friday evening Reception.

NCASM Message Board

NCASM provides both a message board (so that you can easily leave messages and notes for your colleagues), as well as a Job/Position Board for employment opportunity announcements.

Americans with Disabilities Act (ADA)

To comply with ADA requirements, NCASM and the Hilton Doubletree will make every effort to provide for the participant's comfort and convenience.

NCASM Poster Session

NCASM will be hosting a poster session at this meeting. Microbiology—themed posters can be presented during this session. For further information, contact Janice Hamer at: ncasmpostersession@zoho.com

Continuing Education

NCASM is an approved provider and accrediting agency (accreditation #0044) for the California Laboratory Continuing Education. All NCASM Spring Meeting sessions except 15-006 qualify for 3 continuing education units (3 contact hours). CEU Certificates of Attendance will be available on-site at the **END of each day.**

Instructions for Receiving CEU:

1. Evaluation forms will be distributed to those participants requesting CEUs in each session during the **first 10 minutes only.** Only **one** CEU evaluation form will be given for concurrent sessions. After the first 10 minutes, participants must pick up a CEU evaluation form at the CEU desk. **Participants who arrive after the first 10 minutes of a presentation are not eligible to receive CEU credits for the lecture.**
2. You may attend talks in either concurrent session, but must **complete an evaluation** form for each presentation attended. Each talk is one (1) contact hour. There are three (3) contact hours in each session.
3. You must submit the following to the CEU booth at the **completion of your total attendance** at the meeting:
 - a. A completed evaluation form from all of the attended sessions.
 - b. Your name tag to verify your paid attendance.
4. You will receive a CEU certificate after personally signing the roster at the CEU booth.
5. Only one (1) CEU certificate will be issued to each participant.

**** No certificates will be mailed. ****

Location of the CEU Booth will be announced at the beginning of each session.

REMEMBER:

- * YOU MUST OBTAIN AN EVALUATION FORM FOR EACH SESSION YOU ATTEND.
- * CEUs WILL **ONLY** BE GIVEN IN PERSON.
- * NO CERTIFICATES WILL BE MAILED.
- * CEUs WILL ONLY BE ISSUED DURING CEU DESK HOURS.
- * YOU MUST SIGN THE CEU ROSTER.

ONLINE REGISTRATION NOW AVAILABLE!
See NCASM Website for details

REGISTRATION FORM

Name _____

Employer/Affiliation _____

Mailing Address _____
 ___ Business _____
 ___ Home _____

Telephone (H) _____ (W) _____

Email Address _____ All NCASM correspondence is via email

email –please check here if NCASM can contact you via email

32nd Annual NCASM Meeting TRENDING TOPICS IN MICROBIOLOGY #NCASM2015

March 6 & 7, 2015

(CIRCLE ONLY ONE AMOUNT BELOW and ENTER AMOUNT ON LINE "A")

	Member (Paid-to-date)	Professional Non-Members	Student* Members (includes NCASM membership)
Both Days	<input type="checkbox"/> \$160	<input type="checkbox"/> \$250	<input type="checkbox"/> \$60
Friday Only	<input type="checkbox"/> \$105	<input type="checkbox"/> \$160	<input type="checkbox"/> \$45
Saturday Only	<input type="checkbox"/> \$105	<input type="checkbox"/> \$160	<input type="checkbox"/> \$45

* Students must submit a copy of a Valid Student I.D. Card with registration form.

	Line A \$ _____
Late Fee (postmark after March 1)	Add \$20 \$ _____
Non-NCASM Members CEU Fee	Add \$25 \$ _____

NCASM Membership		
(January - December 2015).....	Regular	\$25 \$ _____
(January—December 2015).....	Student	\$5 \$ _____
		Total \$ _____

I AM A MEMBER OF ASM (CIRCLE ONE) Y / N ASM NO. _____
 CHECK HERE TO HAVE YOUR NAME DELETED FROM COMMERCIAL MAILINGS

Make Checks payable to NCASM (Credit Cards Accepted Online Reg. Only)

*Mail form and checks to NCASM Secretary:
 Katya Polovina
 Department of Microbiology & Immunology
 University of California, San Francisco
 513 Parnassus Ave, S-465
 San Francisco, CA 94143*

*For Registration Information, contact:
 Jennifer Kyle, PhD, CLS*

E-mail: kylejennifer@yahoo.com

EMPLOYMENT/DISCIPLINE:

- ACADEMIA INDUSTRY
 CLINICAL
 PUBLIC HEALTH
 OTHER (SPECIFY) _____

I WOULD LIKE TO HELP ON AN NCASM COMMITTEE:

- WEBSITE NEWSLETTER
 PROGRAM AWARDS
 UNDERGRAD STUDENT CHAPTERS
 SCIENCE/EDUCATION