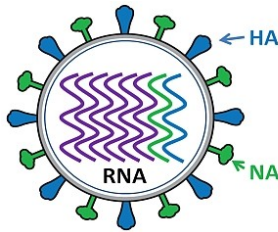




NORTHERN CALIFORNIA
AMERICAN SOCIETY FOR MICROBIOLOGY

**35th Annual Spring Meeting
MARCH 2nd & 3rd, 2018**

Microbes on the Red Carpet



THE CEU COURSE NUMBERS FOR THIS MEETING ARE 18-001 THROUGH 18-007

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

PLATINUM:

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

GOLD:

LUMINEX

SILVER:

*ACCELERATE DIAGNOSTICS
ANAEROBE SYSTEMS
HARDY DIAGNOSTICS
THERMOFISHER SCIENTIFIC*

Online registration available at:

<http://www.asmbbranches.org/brcano>



35th Annual NCASM Meeting March 2nd & 3rd, 2018

PREREGISTRATION DEADLINE –online by noon on **2/27/2018**; mail-in postmarked by **2/24/2018**

****Meeting Location****

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 is stylishly renovated, including the rooms. Special meeting room rate: \$116.00

Please use the following website for reserving rooms:

http://doubletree.hilton.com/en/dt/groups/personalized/P/PLEPCDT-NOR-20180301/index.jhtml?WT.mc_id=POG

***** **Rate cut-off Feb. 8th, 2018** *****

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.

★★ FRIDAY — MARCH 2 ★ REGISTRATION and Continental Breakfast, Olympic Ballroom Lobby ★ 7:30 AM ★★

★SESSION 1: Clinical Microbiology — Pediatrics

Location: *Wimbleton Ballroom*

Convener: *Jennifer Kyle, PhD, CLS, PHM, NCASM Councilor — CDPH, Richmond, CA*

8:25 - 8:30 Welcome and Announcements

8:30 - 9:20 Paediatric Case Studies — Small Size, Big Problems

Jennifer Dien Bard, PhD, D(ABMM), F(CCM) — Children's Hospital Los Angeles, Los Angeles, CA
In the early years of life, children are vulnerable to many infectious diseases. Even with vaccines and improved hygienic conditions, many dangers are still lurking. How can we use today's technologies to combat age-old microbial foes? Dr. Dien Bard will share her insights with us.

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

10:10 - 11:00 Infant Botulism — New Vistas 2018

Stephen Amon, MD, MPH & Jessica Khouri, MD — CA Dept of Public Health, Richmond, CA
When colonization of *Clostridium botulinum* in the infant GI tract wreaks havoc it is BabyBIG to the rescue! Developed and produced only in California, BabyBIG has saved many days in the hospital and millions of dollars. Join Drs. Amon & Khouri for an update on this tremendous success story.

11:00 - 11:50 Shoo the Flu — Why and How to Vaccinate Children at School

Erica Pan, MD, MPH, FAAP — Alameda County Public Health Department, Oakland, CA
The influenza virus has hit hard this year and vaccination remains an important tool to combat this annual menace. The most vulnerable are the young and old. How can we best reach these populations? Dr. Pan will share some innovative local strategies for vaccinating our young ones.

★SESSION 3: Clinical Microbiology Updates

Location: *Wimbleton Ballroom*

Convener: *Mir Noorbash, MS, PhD — Sutter Health Shared Lab, Livermore CA*

1:15 - 2:05

Multidrug-Resistant Organisms (MDRO): A Growing Concern

Janet Hindler, MCLS, MT(ASCP), F(AAM) — UCLA Health System, Los Angeles, CA
Diagnostic laboratories play a critical role in detecting and monitoring the MDROs that are increasingly threatening our health. Ms. Hindler brings a wealth of knowledge and expertise to this topic. Join her for a comprehensive, up-to-date assessment of these formidable pathogens.

2:05 - 3:20

Break - Refreshment in the Exhibit Hall — Olympic Ballroom

3:20 - 4:10

Candida auris — Collaboration among Laboratory, Healthcare Epidemiology, and Public Health

Erin Epsom, MD with Lirilin Li, PhD, PHM and Sam Horwich-Scholefeld, MPH, CIC
— *California Department of Public Health, Richmond, CA*
An emerging pathogen lurks among us. Tracking it and beating it back will take the ongoing cooperation of microbiologists and epidemiologists in collaboration with their clinical partners.

4:10 - 5:00

The Culture of Blood Cultures — At the Crossroads of Perception, Practice and Promise

Nancy Miller, MD — Boston Medical Center and Boston University School of Medicine, Boston, MA
Sepsis is one of the most life-threatening and yet commonly seen conditions confirmed by the clinical laboratory. Dr. Miller will share best practices and promising new methods for this critically important laboratory test.

PRESENTATION SPONSORED by the ASM BRANCH LECTURESHIPS PROGRAM

★SESSION 2: Microbes in the Environment

Location: *The Masters Salon*

Convener: *Margaret Lee, PhD — Ohlone College, Fremont, CA*

8:25 - 8:30 Welcome and Announcements

8:30 - 9:20 The Latest in Water Quality Testing

Rick Danielson, PhD — Biorvir, Benicia, CA
Finding *Cryptosporidium* in water systems is like finding the proverbial needle in a haystack. Dr. Danielson will discuss EPA recommendations for *Crypto* testing as well as cutting edge technology to rapidly and sustainably meet increasing needs for potable water.

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

10:10 - 11:00 Chronic Wasting Disease — Bambi vs. the Prion

Chris Silva, PhD — US Department of Agriculture, Albany, CA
Just what are prions? Most microbiologists have heard of them, but never worked with them or studied them. How much have we learned about how they cause disease? And have you ever heard of a 'mad deer disease'? Join Dr. Silva to hear the latest scoop.

11:00 - 11:50 Antimicrobial Resistance in the Animal Production Environment

Xunde Li, PhD — UC Davis, Davis, CA
As microbiologists, we are aware of concerns over the impact of agricultural practices on groundwater and on antimicrobial resistance. But what do we really know and what are the facts on the ground? Dr. Li will enlighten us on this very relevant topic.

LUNCH — EXHIBIT HALL, Olympic Ballroom 11:50 - 1:15 PM

★SESSION 4: Microbiology in the Media / Historic Moments

Location: *The Masters Salon*

Convener: *Bill Murray, DVM — San José State University, San José, CA*

1:15 - 2:05

The Long Road to 'End Polio Now!'

Cecelia Babkirik — Rotary International, District 5170, Rotary eClub of Silicon Valley
Disease eradication is a momentous achievement, requiring strategy, money, and untold hours to achieve the long-term and extremely ambitious aim of banishing a disease forever from the human population. Join a local Rotarian to hear how this daunting goal is yet becoming reality.

2:05 - 3:20

Break - Refreshment in the Exhibit Hall — Olympic Ballroom

3:20 - 4:10

The Evolution of Medical Affairs

Sean Boyle, BA — Roche Molecular Systems, Pleasanton, CA
What is Medical Affairs? And how has it evolved across time? Join Mr. Boyle to examine the creation and trajectory of this specialized aspect of the biotech industry as only an insider can reveal it.

4:10 - 5:00

A Look Back Into the History of Microbiology

Linda Guthertz, MA, PHM, SM (ASCP) — Solano County Public Health Lab, Fairfield, CA
From Pasteur to Koch and beyond, join Ms. Guthertz for a visual as well as narrative history of microbiology from its earliest days to its newest transformations. See the work of Louis Pasteur in ways big and small as you have never experienced them before!

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

★★ SATURDAY — MARCH 3 ★ REGISTRATION and Continental Breakfast, Olympic Ballroom Lobby ★ 7:00 AM ★★

★SESSION 5: Virology Vignettes

Location: Wimbledon Ballroom
Convener: Beatriz Kapusinszky, PhD, PHM, Napa-Solano-Yolo-Marin
Public Health Laboratory

7:55 - 8:00 **Welcome and Announcements**

8:00 - 8:50 **New Horizons in the Control of Human Papilloma Virus**

Ed Baker, MD — Roche Molecular Systems, Pleasanton, CA
 The HPV vaccine represents a true breakthrough in the control of infectious disease, as a vaccine that prevents a potentially deadly cancer. Progress is still being made in vaccine design against this very common viral infection. Join Dr. Baker for the latest updates!

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

9:50 - 10:40 **Transfusion-transmitted Infections — Current Issues and Emerging Concerns**

Brain Custer, PhD, MPH — Blood Systems Research Institute & UCSF, San Francisco, CA
 The gift of blood is truly the gift of life. Those who work to ensure the blood supply remains safe face challenges new and old and must be ever vigilant to protect the integrity of this priceless resource. Dr. Custer will share with us some of the hurdles faced on this path.

10:40 - 11:30 **Influenza Virus Update**

Troy Cline, PhD — Department of Biological Sciences, Cal State University, Chico, CA
 This influenza season has been particularly severe. To complicate matters, this year's vaccine formula appears to be much less effective than was hoped. Join Dr. Cline for a review of this perennial menace and the special challenges of influenza vaccine design.

★SESSION 6: The Stories Behind the CV: Growing Up in Science

Location: The Masters Salon
Facilitators Dennis F. Mangan, PhD, Chalk Talk Science, Santa Rosa, CA
and Wendy J. Wilson, PhD, Las Positas College, Livermore, CA

An article in Science Magazine by Wei Ji Ma this past September (2017, Science, 357:942), was titled "The Stories behind the CVs" describing how a career path is not usually linear but filled with exciting twists and turns. And these moments are usually brushed aside when giving a polished CV! So therefore, in this session scientists at various levels of their careers will reveal their personal and professional challenges to inspire our students and junior microbiologists and to show that "smooth and straight career paths are rare", but nevertheless filled with heartfelt experiences. Come join us for this unique exploration of persistence and fulfillment.

Biographies of the speakers will be available one week prior to the conference for attendees to download from the conference website.

7:55 - 8:00 **Welcome and Announcements**

8:00 - 8:50 Introduction, Speakers #1 and #2

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

9:50 - 11:30 Speakers #3 — #7



NCASM

Session 6 is our Student Session, sponsored by the American Society for Microbiology.



★★ LUNCH and NCASM Business Meeting 11:40 - 1:30 ★★

★SESSION 7: Hot Topics in Microbiology

Location: Olympic Ballroom
Convener: Hamida Nusrat, PhD, PHM — NCASM President 2017-2019

1:30 - 2:20 **What are Smarticles™?**

Rodney Arcenas, PhD, MS — Roche Molecular Systems, Pleasanton, CA

A new player has appeared on the scene that has the potential to make a big impact in the area of antimicrobial susceptibility testing. What is this new technology and how does it work? And what is the potential impact on antimicrobial stewardship? Join Dr. Arcenas for a magical mystery tour of one of the newest players in the field of AST.

2:20 - 3:10 **Coccidioides Update**

George Thompson, MD — UC Davis School of Medicine, Davis, CA

The incidence of Valley Fever has been increasing in California in recent years. Join Dr. Thompson for a review of the causative agents and the details of how these pathogens interact with human hosts to cause a potentially debilitating disease. What puts some people at higher risk for disease than others? The answer to these questions and more will be revealed.

PRESENTATION SPONSORED by the CARLYN HALDE FUND

3:10 - 4:00

Who Knew? And, What to Do?— Case-Based Challenges, Conundrums, and Resolutions

Nancy Miller, MD — Boston Medical Center and Boston University School of Medicine, Boston, MA

Whodunnit? The clinical microbiologist's toolbox is packed with technologies old and new, as well as the irreplaceable element of human experience. Join Dr. Miller for a tour-de-force of case studies that will rely on a combination of approaches and with stories that are sure to keep you on your toes and guessing until the final reveal!

PRESENTATION SPONSORED by the ASM BRANCH LECTURESHIPS PROGRAM

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.

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: posters@ncasm.org

Continuing Education

NCASM is an approved provider and accrediting agency (accreditation #0044) for the California Laboratory Continuing Education. All NCASM Spring Meeting sessions 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 available at:

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

REGISTRATION FORM

Name _____

Employer/Affiliation _____

Mailing Address _____
 ___ Business _____
 ___ Home _____

Telephone (H) _____ (W) _____

Email Address _____ All NCASM correspondence is via email

35th Annual NCASM Meeting Microbes on the Red Carpet March 2 & 3, 2018

(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"/> \$180	<input type="checkbox"/> \$270	<input type="checkbox"/> \$60
Friday Only	<input type="checkbox"/> \$120	<input type="checkbox"/> \$175	<input type="checkbox"/> \$45
Saturday Only	<input type="checkbox"/> \$120	<input type="checkbox"/> \$175	<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 **Feb 24th**) Add \$20 \$ _____
 Non-NCASM Members CEU Fee Add \$25 \$ _____

NCASM Membership (January - December 2018).....Regular \$25 \$ _____
 (January—December 2018).....Student \$5 \$ _____
Total \$ _____

ONLINE REGISTRATION NOW AVAILABLE —PLEASE SEE OUR WEBSITE FOR DETAILS:
www.asmbanches.org/brcano

I AM A MEMBER OF ASM (CIRCLE ONE) **Y / N**

ASM NO. _____

Make Checks payable to NCASM

LFS ID (for CEU credit) _____

Mail form and checks to:

see CEU information on page five of this program

NCASM Secretary

EMPLOYMENT/DISCIPLINE:

Jessica Ito
 543 18th Avenue
 San Francisco, CA 94121

- ACADEMIA INDUSTRY
 CLINICAL
 PUBLIC HEALTH
 OTHER (SPECIFY) _____

For Registration Information, contact:

I WOULD LIKE TO HELP ON AN NCASM COMMITTEE:

Jessica Ito, CLS
 E-mail: jessicaito.ncasm@gmail.com

- WEBSITE SCIENCE/EDUCATION
 PROGRAM AWARDS
 UNDERGRAD STUDENT CHAPTERS