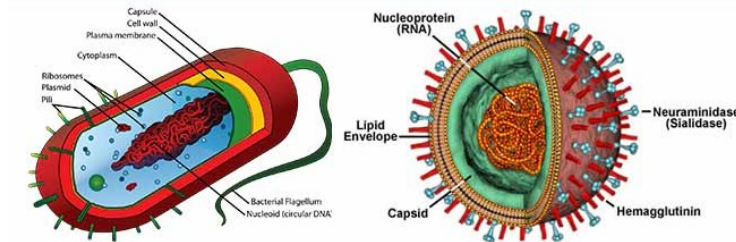




**34th Annual Spring Meeting
MARCH 3rd & 4th, 2017**

Microbes v. Humans: Who's in Control?



THE CEU COURSE NUMBERS FOR THIS MEETING ARE 17-001 THROUGH 17-007

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

PLATINUM:

*AMERICAN SOCIETY FOR MICROBIOLOGY
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Online registration available at:
<http://www.asmbanches.org/brcano>



34rd Annual NCASM Meeting March 3rd & 4th, 2017

PREREGISTRATION DEADLINE –online by noon on **2/28/2017**; mail-in postmarked by **2/26/2017**

****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: \$109.00

Please use the following website for reserving rooms:

<http://doubletree.hilton.com/en/dt/groups/personalized/P/PLEPCDT-ORN-20170302/index.jhtml>

***** **Rate cut-off Feb. 18th, 2017** *****

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 3 ★ REGISTRATION and Continental Breakfast, Olympic Ballroom Lobby ★ 7:30 AM ★★

★SESSION 1: Clinical Microbiology — On the Front Lines

Location: *Wimbleton Ballroom*

Convener: *Paul Foxall, PhD, Cepheid, Sunnyvale, CA*

8:25 - 8:30 Welcome and Announcements

8:30 - 9:20 **Candida auris: Changing What We Thought We Knew About Candida**

Shawn Lockhart, PhD, D(ABMM) — Centers for Disease Control, Atlanta, GA

There is a new fungus in town, an emerging pathogen that may look familiar at first...but look again! Dr. Lockhart will bring us up to date on this latest player and the challenges it poses to both clinicians and laboratorians.

PRESENTATION SPONSORED by the CARLYN HALDE FUND

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

10:10 - 11:00 **The RAPID Path to HIV Suppression**

Chris Pletcher, MD — UC San Francisco, San Francisco, CA

San Francisco has been ground zero in innovative HIV treatment since early days. The goal is decreased transmission; the sooner a patient get treatment, the better for everyone. Join Dr. Pletcher to review efforts to help patients reach undetectable viral loads in record time!

11:00 - 11:50 **Point of Care Testing: You Want It When?**

Barbara Haller, MD, PhD — Zuckerberg San Francisco General Hospital, San Francisco, CA

Physicians want test results right away in their quest to help their patients, and Point Of Care testing in microbiology is the Holy Grail. Come here Dr. Haller's experiences with POC testing in her laboratory at Zuckerberg San Francisco General Hospital.

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

★SESSION 3: Clinical Microbiology — Getting Down to Details

Location: *Wimbleton Ballroom*

Convener: *Mike Lewinski, MS, PhD, Roche Diagnostics, Pleasanton, CA*

1:40 - 2:30

Investigating Healthcare-Associated Legionnaires' Disease

Janice Kim, MD — California Dept of Public Health, Richmond, CA

Legionella is most famously known for the outbreak at an American Legion convention, but don't relegate it to the pages of history. Join Dr. Kim to hear an update on how healthcare-associated *Legionella* cases are defined and managed as a collaboration between state and local agencies.

2:30 - 3:20

Break - Refreshment in the Exhibit Hall — Olympic Ballroom

3:20 - 4:10

IQCP for Antimicrobial Susceptibility Testing and Identification Systems

Susan Munro, MT (ASCP) — Independent Consultant, Campbell, CA

Individualized Quality Control Plan... Now that's a mouthful! CLIA-certified labs have been hearing about it for years and it has finally arrived. But what exactly is IQCP? Does it apply to your lab? Does it make sense for your lab? This talk is your essential guide to IQCP (You're welcome!).

4:10 - 5:00

Creating Antibigrams Utilizing Commercial Systems

Shelley Miller, PhD, D(ABMM) — UC Los Angeles, Los Angeles, CA

What is an antibiogram? How can you use your hospital's antimicrobial susceptibility data to create a comprehensive document that can inform clinicians and laboratorians alike? The tricks of the trade will be revealed as Dr. Miller presents tips and tools for creating an antibiogram.

★SESSION 2: Zoonotic and Vectorborne Infections — Closer Than You Think!

Location: *The Masters Salon*

Convener: *Nan Ho, Las Positas College, Livermore, CA*

8:25 - 8:30 Welcome and Announcements

8:30 - 9:20 **Methicillin-Resistant *Staphylococcus aureus*: Pigs, Pork, and Pathogens**

Tara Smith, PhD — College of Public Health, Kent State University, Kent, OH

Antibiotic resistance and the emergence of MRSA are familiar topics to microbiologists. Concern about antibiotic use in animal feed is also not new. But what do we know about connections between the two? Find the answer to this question and more as all is revealed!

PRESENTATION SPONSORED by the ASM BRANCH LECTURES PROGRAM

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

10:10 - 11:00 **Surveillance and Control of Zoonotic Diseases in California: Applied Medical Entomology in Public Health**

Kerry Padgett, PhD — California Dept of Public Health, Richmond, CA

Whether hitching a ride on a furry friend or winging their way from host to host, vectorborne diseases such as plague and hantavirus have made the news in California in recent years. Come hear about the tools of the trade used to hunt and track these varied pathogens.

11:00 - 11:50 **Zika Virus Emergence and the Mosquitoes That Transmit it in Outbreaks**

Lark Coffey, PhD — School of Veterinary Medicine, UC Davis, Davis, CA

There is a new flavivirus on the block, making its rounds from the Pacific islands to Brazil to Florida. What are the transmission dynamics of this new player? Could it become endemic in the United States? Dr. Coffey will present the latest scoop on this emerging viral threat.

★SESSION 4: The Human Microbiome — the Feelings are Mutual

Location: *The Masters Salon*

Convener: *Dan Mills, PhD, Past NCASM President, '89-91 and '03-05*

1:40 - 2:30

Redefining Human: The Human Microbiome in Health, Disease and Death

Embrilette Hyde, PhD — UC San Diego, San Diego, CA

Data on the human microbiome has revealed a wealth of information about the diversity and complexity of the microbial communities that live on and in us, from life to death. Join Dr. Hyde for a look at some of many possible applications of this knowledge to human health.

2:30 - 3:20

Break - Refreshment in the Exhibit Hall — Olympic Ballroom

3:20 - 4:10

Microbial Colonization Patterns in Mammalian Neonates — How Milk in "farms" the Infant Gut Microbiota

David Mills, PhD — UC Davis, Davis, CA

Our gut microbiome is with us for better or for worse, in sickness and in health, but how did it all begin? How soon after birth do we develop our gut microbiota and what influences its composition? Come hear the juicy details about an all-important player in this scene — Got Milk?

4:10 - 5:00

Chronic Sinusitis and the Sinus Microbiome

Steven Pletcher, MD — UC San Francisco, San Francisco, CA

There is a whole community of microbes living in a fine balance right under our noses. What happens when that balance is upset? What options do we have to correct the balance?

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

★★ SATURDAY — MARCH 4 ★ REGISTRATION and Continental Breakfast, Olympic Ballroom Lobby ★ 7:00 AM ★★

★SESSION 5: Public Health Microbiology

Location: Wimbledon Ballroom

Convener: Lisa Critchett, PHM, Sonoma County Public Health Lab, Santa Rosa, CA

Welcome and Announcements

7:55 - 8:00

★ **STEC O157 Outbreak Associated with Recreational Water**

Will Probert, PhD, PHM — Napa-Solano-Yolo-Marin County Public Health Lab, Fairfield, CA
What's in your water? Come hear a tale of a local outbreak of Shiga-toxin producing *E. coli* and the detective work and laboratory techniques used to uncover the mystery of its source. Dr. Probert will review lessons learned from a run-in with this potentially deadly bacterium.

8:00 - 8:50

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

9:50 - 10:40 **Zoonotic Viruses of Bats**

Tony Shounitz, MS, PhD — Colorado State University, Fort Collins, CO

In recent times we have discovered the potential and diversity of viral diseases borne on mammalian wings. What do we know about these viral passengers in bats and how much do we understand about their impact on human disease? All bat secrets will be revealed!

8:50 - 9:50

10:40 - 11:30

Deadly Diplococci: Managing *N. meningitidis* Outbreaks in California

Jennifer Zippich, PhD — California Dept of Public Health, Richmond, CA

Last year was challenging for the epidemiologists and microbiologists who monitor meningococcal disease. Dr. Zippich will give us insights into the role of the laboratory in two very different types of outbreaks that occurred last year in California.

With Special Guest: Eduardo Lujan, MS, Children's Hospital Oakland Research Institute, Oakland, CA, who will share fascinating insights into the effectiveness of the new serogroup B vaccines based on data from one of these California outbreaks.

★SESSION 6: 3MT: The Three Minute Thesis Challenge

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

This year the NCASM builds on the success and international popularity of the Three Minute Thesis (3MT) Program founded by the University of Queensland, Australia. Students have three minutes to present a compelling oration and overview of significance of their microbiology project or topic of their choice. 3MT is not an exercise in trivializing or dumbing-down research, but challenges students to consolidate their ideas and research discoveries so they can be presented concisely in the form of short stories to a non-specialist audience.

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

8:00 - 8:50 Student Presentations

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

9:50 - 10:50 Student Presentations

11:15-11:30 Awards Ceremonies



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: The Future of Microbiology: Challenges Old and New

Location: Olympic Ballroom

Convener: Jennifer Kyle, PhD, CLS, PHM — NCASM President 2015-2017

1:30 - 2:20

Remaining Challenges for Prevention of Meningococcal Disease by Vaccination

Dan Granoff, MD, FPIDS — Children's Hospital of Oakland Research Institute, Oakland, CA

Given their increased risk for acquiring meningococcal disease, microbiologists are particularly interested in the effectiveness of vaccines against different serogroups and strains of *Neisseria meningitidis*. What is the state of the art in terms of vaccine design and strain coverage? What have we learned from existing vaccines and what more do we need to know in order to create safer and more effective ones in the future? Sit back and buckle in for a comprehensive overview and update of this deadly serious topic.

What's New With Flu?

Debra Wadford, MS, PhD, PHM, M(ASCP) — California Dept Public Health, Richmond, CA

Influenza season is fast upon us. This versatile virus presents an annual challenge to vaccine creation, clinical management and public health efforts alike. Dr. Wadford will remind us of the biology behind this clever virus, from its genetic strategies to its myriad of hosts. This timely update will focus on the influenza viruses circulating in North America and the challenges that they still present for microbiologists.

Science Denial and the Internet

Tara Smith, PhD — College of Public Health, Kent State University, Kent, OH

Internet and social media literacy are definitely not a part of your typical microbiology curriculum, but should they be? Much good information is available on the web, but so are rumors and conspiracy theories. As scientists in the 21st century, it will be vital for us to become conversant enough in social media to be able to track down sources of misinformation and to contribute our expertise by helping to make the best scientific data available to the largest audience. Join Dr. Smith as we explore this engaging topic!

3:10 - 4:00

PRESENTATION SPONSORED by the ASM BRANCH LECTURESHPIS 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.

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 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

34th Annual NCASM Meeting Microbes v. Humans: Who's in Control? March 3 & 4, 2017

(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"/> \$165	<input type="checkbox"/> \$255	<input type="checkbox"/> \$60
Friday Only	<input type="checkbox"/> \$110	<input type="checkbox"/> \$165	<input type="checkbox"/> \$45
Saturday Only	<input type="checkbox"/> \$110	<input type="checkbox"/> \$165	<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 26th**) Add \$20 \$ _____
 Non-NCASM Members CEU Fee Add \$25 \$ _____

NCASM Membership

(January - December 2017).....Regular \$25 \$ _____

(January—December 2017).....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. _____

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
 Amy Kingsley
 1890 Junction Boulevard, Unit 2815
 Roseville, CA 95747

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

For Registration Information, contact:

Amy Kingsley, CLS
 E-mail: amy.kingsley.ncasm@gmail.com