



27th Annual NCASM Spring Meeting
MARCH 12th & 13th, 2010

MICROBIAL LIFE 2010: ORIGINS to EPIDEMICS



THE CEU COURSE NUMBERS FOR THIS MEETING ARE 10-001 THROUGH 10-007

OUR SUSTAINING MEMBERS:

PLATINUM:

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



ONLINE REGISTRATION NOW AVAILABLE
PLEASE SEE OUR WEBSITE FOR DETAILS:

<http://www.asm.org/branch/brcano/index.html>

FRIDAY - MARCH 12 ★ REGISTRATION, Olympic Ballroom Lobby 7:00 - 8:25 AM
Continental Breakfast in the Exhibit Hall — Wimbledon Salon 7:15– 8:30am

★SESSION 1: Screens in the Teens: Clinical Micro in the New Decade

Location: Olympic Ballroom -Gold

Susan Munro, MT Stanford University Medical Center, Palo Alto, CA★

★SESSION 2: Unexpected Infections—Is that a Zebra in the Shower?

Location: The Masters Salon

Convener: Deirdre Pierry, Chromosome Crawl—Redwood City, CA ★

8:25 - 8:30 **Welcome and Announcements**

8:30 - 9:20 **The Role of Cultured Isolates in the Molecular Diagnostics Era**

G. Chris Fillmore, PhD, Roche Molecular Systems—Pleasanton, CA
Will cultured isolates be a thing of the past in the upcoming decade? Dr. Fillmore will provide a glimpse into the molecular assay development process. He will also shed light on the organization, regulatory requirements and function of culture collections.

9:20 - 10:10 Coffee and Tea Break: Exhibit Hall— Wimbledon Salon

10:10 - 11:00 **Looking for the Needle in a Haystack: Lab Diagnosis of STECs**

Claudia Crandall, CLS, PHM, CA Department of Public Health —Richmond, CA
Understanding the diagnosis of STEC illness is no longer as easy as looking for NFs on a SMAC plate. Join Ms. Crandall for an in-depth update on culture & non-culture methods of detecting both O157 & non-O157 isolates and their Shiga toxins.

11:00 - 11:50 **MRSA Screening: Challenges for the Lab and Infection Control**

Fred Tenover, PhD, D(ABMM), Cepheid — Sunnyvale, CA
Does talking with your ID Docs about MRSA screening strategies cause 'family feud' flashbacks? Dr. Tenover will explain the rationale and positive impacts of screening for MRSA colonization. He will help us identify the advantages & disadvantages of rapid methods in comparison to molecular methods for screening.

8:25 - 8:30 **Welcome and Announcements**

8:30 - 9:20 **Infection, Immunity & Cancer**

David Persing, MD, Cepheid— Sunnyvale, CA
Dr. Persing's interest in infectious causes of cancer goes back to his days at the Mayo Clinic. He will give us a background view of the connection between chronic infections & cancer as well as elucidating the role of immune tolerance in relation to cancer risk.

9:20 - 10:10 Coffee and Tea Break: Exhibit Hall— Wimbledon Salon

10:10 - 11:00 **Of Spores on an Ill Wind: Fungal Cases from the Desert Southwest**

Michael Saubolle, PhD, D(ABMM), F(AAM), F(IDSA) Banner Health System— Phoenix, AZ
SPONSORED by the CARLYN HALDE MYCOLOGY EDUCATION FUND
Coccidioides, Basidiobolus, Apophysomyces & Bipolaris— if these are a few of your favorite (mycological) things, then you need to join Dr. Saubolle for his discussion of the clinical presentation, epidemiology, diagnosis and therapy of these fascinating fungi!

11:00 - 11:50 **Vector—Borne Diseases in Unexpected Places**

Jeannine Petersen, PhD Centers for Disease Control & Prevention — Ft. Collins, CO
If you're interested in unusual infections, then CDC Ft. Collins is the place to be. Dr. Petersen will share some interesting case studies.

LUNCH - EXHIBIT HALL (Wimbledon Salon) 11:50 - 1:40

★SESSION 3: Rapid, Relevant Clinical Micro 2010 & Beyond

Location: Olympic Ballroom -Gold

Convener: Mir Noorbash, PhD, ABMM ValleyCare Health, Pleasanton, CA★

1:40—2:30 **Interferon Gamma Release Assays (IGRAs) for TB Diagnostics**

Helene M. Calvet, MD, Long Beach Dept. of Health Services —Long Beach, CA
As IGRAs move in to become the gold standard for diagnosing latent & active TB infections, a guide is needed to help us find our way to this new frontier. Dr. Calvet will share her expertise & discuss the limitations, sensitivities & specificities of the IGRAs currently approved for use.

2:30 - 3:20 Cookie Break - Join Us in the Exhibit Hall—Wimbledon Salon

3:20 - 4:10 **Surveillance: Who, What, Where, When & How?**

Karla Tomfohrde, PhD, Eurofins Medinet — Lincoln, CA
How do antimicrobial surveillance programs help track and discover emerging resistance trends? Dr. Tomfohrde will help us gain an understanding about the organizations that track trends & help us see the big picture hidden in our AST results.

4:10 - 5:00 **Do It Quick! - Update on CLSI M35-A (Rapid Methods)**

Mary York, PhD, ABMM, MKY Microbiology Consultants - Walnut Creek, CA
SPONSORED by the MARILYN COWARD FUND
Join Dr. York for a discussion about the latest updates to the CLSI M35-A guidelines. She will update us on the best & brightest methods for rapid IDs!

★SESSION 4: Life Strategies of Bacteria

Location: The Masters Salon

Joseph Chen, PhD, San Francisco State Univ., San Francisco, CA★

1:40—2:30 **The Function and Evolution of Biofilm regulation in *Yersinia pestis*.**

Creg Darby, PhD, University of California, San Francisco — San Francisco, CA
Come hear the latest research on the Black Plague organism's strategy for survival; the story involves insects, worms and pseudogenes, not necessarily in that order.

2:30 - 3:20 Cookie Break - Join Us in the Exhibit Hall—Wimbledon Salon

3:20 - 4:10 **Signaling & Regulation of Biofilm Formation in *Vibrio cholera***

Fitnat Yildiz, PhD, University of California — Santa Cruz, CA
Dr. Yildiz joins us to explain the molecular basis & regulation of biofilm formation in *V. cholera*. She will also help guide us to an understanding of the role of biofilms in the ex-vivo survival and disease causing processes of this pathogen.

4:10 - 5:00 **Long Term Survival & Evolution of Bacteria**

Steven Finkel, PhD, University of Southern California —Los Angeles, CA
SPONSORED by the ASM BRANCH LECTURESHIPS PROGRAM
Bacteria are one of Earth's oldest life forms. How did they get to be such engines of adaptive success? Dr. Finkel will discuss how genomics, evolution, mutation & repair fit into the long-term survival stories of microbial life.

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

SATURDAY - MARCH 14 ★ REGISTRATION — Olympic Ballroom Lobby 7:15 to 8:25 am
Continental Breakfast in the Exhibit Hall — Wimbledon Salon 7:15– 8:30am

★SESSION 5: Influenza Everywhere? An Update

Location: Olympic Ballroom -Gold

Convener: Mark Pandori, PhD, San Francisco Public Health Lab★

8:25 - 8:30 **Welcome and Announcements**

8:30 - 9:20 **The Influence of Influenza**

Janice Louie, MD, MPH, CA Department of Public Health—Richmond, CA
How well do you know your pre - 2009 Swine Flu? Dr. Louie will help us understand how regular seasonal Flu differs from 2009 H1N1. She will discuss differences in virology, epidemiology and clinical presentation to help put this Flu season in perspective.

9:20 - 10:10 Coffee and Tea Break: Exhibit Hall— Wimbledon Salon

10:10 - 11:00 **2009 A(H1N1) Pandemic Influenza: The California Labs Experience**

Hugo Guevera, PHM, CA Department of Public Health — Richmond, CA
The rapid screens we've used this season were a start, but their limitations were quickly seen. The FDA ok'd PCR assays under an EUA—but what do all these 3 letter acronyms mean for public health and clinical labs as we move forward into a new decade of Flu?

11:00 - 11:50 **Development of a Live, Attenuated H1N1 Vaccine**

George Kemble, PhD, MedImmune— Mountain View, CA
Was the 2009 H1N1 pandemic the 'one' we've been overdue for? What have companies learned about making an effective vaccine on such short notice? Dr. Kemble is here to shed light on the influence of epidemiology and the details of researching & manufacturing Flu vaccines.

★SESSION 6: The Evolution of a Microbiologist: NCASM Student Member Posters

Location: Olympic Ballroom—Silver

*Moderator: Dan Mills, East Bay MUD Lab and CDPH (Retired);
NCASM Councilor '07-09'—Fremont, CA★*

8:25 - 8:30 **Welcome and Announcements**

9:20 - 10:10 Coffee and Tea Break: Exhibit Hall—Wimbledon Salon

This session is meant to help NCASM spotlight the talents of it's student members in a collegial atmosphere. It is sponsored by a grant from ASM National and the Carlyn Halde Student Fund.

NCASM Student members (Undergraduate, Graduate & Emerging Infectious Disease Fellows) will be at their posters during this time to answer questions and discuss research projects that they have conducted in the areas of microbiology, molecular microbiology or immunology.



LUNCH and NCASM Business Meeting 11:50 - 1:00

Olympic Ballroom –Silver & Bronze

★SESSION 7: Road Rules: Microbiology in Developing Countries

Convener: Michele Jay-Russell, NCASM President '09-'11★

1:00 - 1:30 **NCASM Business Meeting**

1:30—2:20 **Relevant Clinical Micro - Sharing Our Strength with Cambodia & India**

Vasundara Rangaswamy, MD, Stanford University Medical Center— Palo Alto, CA
SPONSORED by the PUBLIC HEALTH EDUCATION FUND
How much Anaerobic Micro is needed in Cambodia? What is the "best" way to identify an infection in India? Ms. Rangaswamy starts off our session with a view of her work helping to understand how to adapt U.S. procedures for labs with limited resources. She will share her experiences helping laboratorians in these countries obtain new skills as well as what she learned about infections outside the U.S.!

2:20—3:10 **Capacity Building Through Research: An Experience of Influenza & Dengue in Nicaraguan Children**

Aubree Gordon, PhD, MPH University of California, Berkeley — Berkeley, CA
Dr. Gordon will examine the challenges encountered in developing laboratories using examples from her recent experience helping to combat pandemic Influenza and Dengue viral infections in Nicaraguan Children. She will elucidate not only policy snafus, but day-to-day difficulties encountered in South American laboratories. Her policy discussion will also shed light on capacity building through local partnerships.

3:10 - 4:00 **CellScope: Mobile Microscopy for Disease Diagnosis**

Wilbur Lam, MD PhD, University of California, San Francisco & University of California, Berkeley — Berkeley, CA
CellScope—it's a cell phone AND a microscope! Dr. Lam concludes our session with a discussion of the capabilities & limitations of this revolutionary diagnostic aid. He will help us identify how a properly outfitted cell phone can be used for making diagnoses in the Global Health setting. He will discuss the current clinical targets



NCASM Secretary:
Joseph C. Chen, PhD
Department of Biology
San Francisco State University
1600 Holloway Avenue
San Francisco, CA 94132

NEW LOCATION !
Online Registration
See NCASM
Website for details

27th Annual NCASM Meeting MARCH 12th & 13th, 2010
PREREGISTRATION DEADLINE –online or postmarked by March 5th, 2010

Hilton Pleasanton at the Club—Pleasanton, CA

7050 Johnson Dr.

Pleasanton, CA 94588

At the intersection of I-580 & I-680

Please contact the Hilton for room reservations: **(925) 463-8000**, and tell them you are with the “Northern California American Society for Microbiology” for the special room rate of **\$65/night**

***** **Room Rate cut-off FEBRUARY 25th, 2010** *****

Register for the meeting by 2/23 to be entered in a raffle for a free night’s stay!!

NEW LOCATION !

NEW LOCATION !

Directions to the 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 the Hopyard Rd. exit. Turn right on to Hopyard Rd. Turn right at Owens Dr. Turn right onto Johnson Dr. The hotel is 1/2 mile down Johnson Dr. on your left.

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. Turn right onto Johnson Dr. The hotel is 1/2 mile down Johnson Dr. on your left side.

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 onto Stoneridge. Take the first left onto Johnson Dr. Hotel will be 1/2 mile on your right side.

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; take the Hopyard Rd. exit. Turn right on to Hopyard Rd. Turn right at Owens Dr. Turn right onto Johnson Dr. Hotel will be 1/2 mile down Johnson Dr. on your left side.

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 on to Hopyard Rd. Turn right at Owens Dr. Turn right onto Johnson Dr., and hotel will be 1/2 mile down Johnson Dr on your left side.

GENERAL INFORMATION

PRICE ROLLBACK for NCASM MEMBERS!

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

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.

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 NCASM newsletters, notification of two general meetings a year, **free** CEUs at NCASM meetings, and information regarding regional meetings 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 Pleasanton will make every effort to provide for the participant's comfort and convenience. Please give NCASM advance notice if you need assistance.

Continuing Education

NCASM is an approved provider and accrediting agency (accreditation #0044) for the California Laboratory Continuing Education. All sessions qualify for 0.3 continuing education units (3 contact hours). CEU Certificates of Attendance will be available on-site at the **END of each day**.

Instructions:

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 for CEU credits for that lecture.**
2. You may attend talks in either concurrent session.
-Complete an evaluation form for each presentation attended.
-Each talk is one (1) contact hour. There are three (3) contact hours in each of the sessions.
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 —PLEASE SEE OUR WEBSITE FOR DETAILS:

<http://www.asm.org/branch/brcano/index.html>



REGISTRATION FORM

Name _____

Employer/Affiliation _____

Mailing Address _____
 ___ Business _____
 ___ Home _____

Telephone (H) _____ (W) _____

Email Address _____ email is the primary NCASM communication

27th Annual NCASM Meeting MICROBIAL WORLD 2010: ORIGINS TO EPIDEMICS March 12 & 13, 2010

(CHECK ONLY ONE BOX BELOW and ENTER AMOUNT ON 'TOTAL' LINE)

	Members (Paid-to-date)	Non-Members	Student* Members
Both Days	<input type="checkbox"/> \$150	<input type="checkbox"/> \$220	<input type="checkbox"/> \$55
Friday Only	<input type="checkbox"/> \$105	<input type="checkbox"/> \$160	<input type="checkbox"/> \$40
Saturday Only	<input type="checkbox"/> \$105	<input type="checkbox"/> \$160	<input type="checkbox"/> \$40

* Students have a Valid Student I.D. Card at registration.

Check here for vegetarian option _____ (get blue square card at registration table)

	Line A \$ _____
Late Fee (postmark after March 5)	Add \$20 \$ _____
Non-NCASM Members CEU Fee	Add \$25 \$ _____
NCASM Membership	
(January - December 2010).....Regular	\$25 \$ _____
(January—December 2010).....Student	\$5 \$ _____
	Total \$ _____

ONLINE REGISTRATION NOW AVAILABLE —PLEASE SEE OUR WEBSITE FOR DETAILS:

<http://www.asm.org/branch/brcano/index.html>

I AM A MEMBER OF ASM (CIRCLE ONE) **Y / N** ASM NO. _____
 CHECK HERE IF YOU DO NOT WANT COMMERCIAL MAILINGS _____

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

*Mail form and checks to NCASM Secretary:
 Joseph C. Chen, PhD
 Department of Biology
 San Francisco State University
 1600 Holloway Avenue
 San Francisco, CA 94132*

EMPLOYMENT/DISCIPLINE:

ACADEMIA INDUSTRY
 CLINICAL
 PUBLIC HEALTH
 OTHER (SPECIFY) _____

*For Registration Information, contact:
 Wendy Wilson, PhD
 (510) 512-2231
 E-mail: wendy_wilson_fujino@yahoo.com*

I WOULD LIKE TO HELP ON A NCASM COMMITTEE:

WEBSITE _____ NEWSLETTER _____
 PROGRAM _____ AWARDS _____
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see CEU information on page four of this program