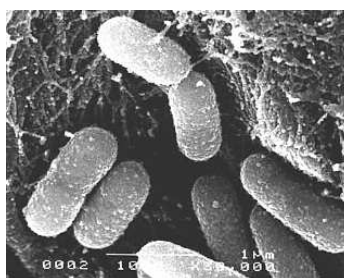
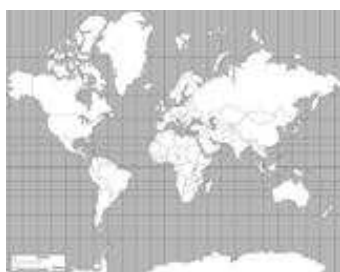




26th Annual NCASM Spring Meeting  
MARCH 13th & 14th, 2009

## ONE WORLD, MANY MICROBES



San Ramon Marriott  
2600 Bishop Dr. San Ramon, CA 94583

THE CEU COURSE NUMBERS FOR THIS MEETING ARE 09-001 THROUGH 09-007

### OUR SUSTAINING MEMBERS:

#### **PLATINUM:**

BD DIAGNOSTIC SYSTEMS  
BIOMERIEUX

#### **GOLD:**

COPAN USA  
FOCUS DIAGNOSTICS

#### **SILVER:**

ANAEROBE SYSTEMS  
HEMOSTAT LABORATORIES  
ROCHELLE SCIENTIFIC  
SPIRAL BIOTECH

*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>

★SESSION 1: Sepsis Issues in 2009

*Location: Bishop Ranch Ballroom Salons A-C*

*Convener: Fred DeNeau—Seton Medical Center—Daly City CA★*

- 8:25 - 8:30 **Welcome and Announcements**
- 8:30 - 9:20 **Exploiting Procalcitonin as a Sepsis Marker & Mediator**  
*Eric Nysten, MD, George Washington Univ. School of Medicine—Washington, DC*  
 Have you ever wondered what's happening with the patient at the other end of a positive blood culture? Dr. Nysten will introduce us to the underlying processes going on in the septic patient and provide a glimpse at a biomarker target in development for use in early sepsis detection.
- 9:20 - 10:10 Break - Continental Breakfast in the Exhibit Hall—Salons E-H
- 10:10 - 11:00 **PCR & Other Molecular Ideas for Sepsis Detection**  
*Oliver Liesenfeld, MD, Roche Molecular Diagnostics—Pleasanton, CA*  
 Molecular methods are being added to the arsenal of tools for rapid detection of pathogens in blood cultures. Dr. Liesenfeld joins us to discuss the use of PCR and real-time molecular methods to shorten the time between positive blood culture and final report.
- 11:00 - 11:50 **PNA FISH for Directing Antimicrobial Therapy in Sepsis**  
*Graeme Forest, MBBS Oregon Health Sciences University — Portland, OR*  
 The rise of multidrug resistant isolates recovered from blood cultures goes hand in hand with a need for rapid determination of a bug's resistance profile. Dr. Forest will treat us to an inside look at the use and impact of PNA FISH technologies in the clinical lab.

**LUNCH - EXHIBIT HALL (Bishop Ranch Ballroom — SALON E) 11:50 - 1:40**

★SESSION 3: Bugs Under Pressure: Xtreme Micro

*Location: Bishop Ranch Ballroom Salons A-C*

*Convener: Larry Hanne - CA State University, Chico — Chico, CA★*

- 1:40—2:30 **Conspicuous Sulfur Bacteria from Vents & Other Deep Sea Environments**  
*Doug Nelson, PhD University of CA, Davis — Davis, CA*  
 "Beggiatoa & Thiomargarita" - the latest Hollywood baby names of foreign bacterial life? Microbial life is thriving in the deep sea environment. How do these species adapt to survive? Dr. Nelson dives in to help us explore the microbial denizens of the deep.
- 2:30 - 3:20 **Hydrothermal Vent Microbiology at Yellowstone**  
*Jose de la Torre, PhD, San Francisco State University — San Francisco, CA*  
 Extreme environments aren't easy to replicate in vitro—How do we study microorganisms adapted to these conditions? Join Dr. de la Torre for a view inside the biology of thermophilic nitrifiers to help us gain an appreciation of these extreme microbes.
- 3:20 - 4:10 Break - Continental Breakfast in the Exhibit Hall—Salons E-H
- 4:10 - 5:00 **Mud, Germs & Steam: The Boiling Springs Lake Microbial Observatory**  
*Gordon Wolfe, PhD, CA State University, Chico— Chico, CA*  
 Can microbes survive in volcanic hot springs? Might these extremophiles be a window to life on other planets? Dr. Wolfe will share early results of his work developing a platform to study organisms living on the edge in Lassen's Volcanic environment.

★SESSION 2: Breaking Viral News

*Location: Bishop Ranch Ballroom Salon D*

*Convener: Deirdre Pierry - Hunter Laboratories—Campbell, CA ★*

- 8:25 - 8:30 **Welcome and Announcements**
- 8:30 - 9:20 **CMV at the Maternal—Fetal Frontier**  
*Lenore Periera, PhD, UCSF— San Francisco, CA*  
 A woman's body can seem like foreign territory during pregnancy. Dr. Periera joins us to review recent findings about the interaction between mother and fetus during primary CMV infection.
- 9:20 - 10:10 **Respiratory Viral Array Diagnostics**  
*Bruce Patterson, MD, Stanford University Medical School — Palo Alto CA*  
 Respiratory virus season doesn't have to cause stress or hemadsorption any more! Dr. Patterson will provide a brief background of traditional methods and then will open the door to the possibilities of multiplex molecular and microarray assay detection of respiratory viral disease agents.
- 10:10 - 11:00 Break: Continental Breakfast in the Exhibit Hall—Salons E-H
- 11:00 - 11:50 **Bovine Leukemia Virus**  
*Gertrude Buehring, PhD UC Berkeley School of Public Health — Berkeley, CA*  
 SPONSORED by the PUBLIC HEALTH EDUCATION FUND  
 Each day brings new data that expands out knowledge of how viruses can become oncogenic and interact with the human body to cause cancer or chronic diseases. Dr. Behring brings word of another disturbing virus— cancer link; and this time it's a bovine virus!

★SESSION 4: Clinical Lab Realities: Adaptation is not Just for Microbes Anymore!

*Location: Bishop Ranch Ballroom Salons D*

*Convener: Rick Danielson—BioVir Laboratories, Benicia, CA★*

- 1:40—2:30 **Maintaining & Documenting Proficiency in the Clinical Micro Lab**  
*Manjula Mudambi, Stanford Hospital & Clinics— Stanford, CA*  
 Ever feel like you could use 26-hour days—and then another thing comes your way? Ms. Mudambi will review CLSI guidelines for documenting training & competency testing. She will give us some take home strategies to help us document critical training efforts efficiently.
- 2:30 - 3:20 Break - Continental Breakfast in the Exhibit Hall—Salons E-H
- 3:20 - 4:10 **High Throughput Laboratory Challenges**  
*Chris Riedel, Hunter Laboratories — Campbell, CA*  
 What happens when the workload gets too much, or your manager is forced to get by with fewer FTEs? What kind of pressures does the modern Reference Lab face in today's market? Mr. Riedel joins us to provide insight on methods to help us successfully navigate today's lab challenges.
- 4:10 - 5:00 **Public Health Labs Challenged by Increased Resistance of STI Agents**  
*Mark Pandori, PhD, San Francisco Department of Public Health Lab - San Francisco, CA*  
 In an era of severe budget constraints, Public Health Labs are faced with equally severe demands on their abilities to diagnose and help control the spread of drug-resistant STI pathogens. Dr. Pandori shares his insights with a peek inside a PH Lab workload.

**SATURDAY - MARCH 14 ★ REGISTRATION AND CONTINENTAL BREAKFAST,  
Bishop Ranch Ballroom Lobby 7:15 to 8:25 am**

**★SESSION 5: Superstars of AST**

**Location: Bishop Ranch Ballroom Salon D**

**Convener: Susan Munro - Stanford Medical Center—Palo Alto, CA★**

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

8:30 - 9:20 **Vancomycin Therapy & Antimicrobial Susceptibility Testing**

*Jose Montoya, MD, Stanford University Medical Center — Palo Alto, CA*  
Vancomycin resistance continues its march through the microbial world. Diagnostic companies have developed a bumper crop of ways to test isolates, but how much is too much? Dr. Montoya will help us make sense of the multiple options!

9:20 - 10:10 **CLSI Update**

*Janet Hindler, MCLS, MT(ASCP), UCLA Medical Center — Los Angeles, CA*  
Flustered over the best agent to use for detecting oxacillin resistance in Staphs? Puzzling over the best way to supplement testing for multidrug resistant bacteria? Never fear, help is here to guide us through the seas of AST.

10:10 - 10:30 Break - Continental Breakfast in the Exhibit Hall—Salon E

10:30 - 11:20 **Update on Carbapenemases in Enterobacteriaceae**

*Kenneth Thomson MD, Creighton Medical Center — Omaha, NE*  
SPONSORED by the MARILYN COWARD FUND  
Do carbapenemases make you think of alphabet soup? Confused by all the new data on Class B beta-lactamases? Join Dr. Thomson for an expert's view of the ins and outs of these important resistance determinants.

**★SESSION 6: Budding Talent: NCASM Student Member Research**

**Location: Bishop Ranch Ballroom Salons A-C**

**Moderator: Joseph Chen—SFSU, San Francisco, CA★**

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

9:40 - 10:30 Break - Continental Breakfast in the Exhibit Hall—Salon E

This session is meant to help NCASM spotlight the talents of its student members in a collegial atmosphere.

The session will be a series of 15 minute presentations given by (Undergraduate, Graduate & Emerging Infectious Disease Fellows) NCASM student members spotlighting research projects they have conducted in the areas of microbiology, molecular microbiology or immunology.



**LUNCH and NCASM Business Meeting 11:50 - 1:00  
Bishop Ranch Ballroom Salons A-D**

**★SESSION 7: One World, One Health**

**Convener: Wendy Wilson, NCASM President '07-'09★**

1:00 - 1:50 **Finding Shiga Toxin Positive *E. Coli* (STEC) in a Produce Production Setting: How Hard Are You Willing to Work?**

*Rob Mandrell, PhD, University of CA, Davis — Davis, CA*  
Large scale outbreaks in the MSM news always attract a Microbiologist's attention—casually or otherwise. Dr. Mandrell starts our afternoon off with a background look at leafy vegetable outbreaks. He will also provide us with a tour of the genotyping and source tracking methods used on the battle front in the war on produce—related STEC outbreaks.

1:50—2:40 **The Impact of Foodborne Commensal Bacteria on Antibiotic Resistance (AR) Transmission**

*Hua 'Helen' Wang PhD, Ohio State University — Columbus, OH*  
SPONSORED by the ASM BRANCH LECTURESHIPS PROGRAM  
Vancomycin—resistant Enterococci are showing up in dry dog food; increased drug resistance in foodborne isolates—how does this happen outside the human host? Dr. Wang will show us how commensal bacteria serve as a bridge for resistance transmission. She will also help acquaint us with test methodologies for tracing AR in ecosystems.

2:40 - 3:10 Break - Iced Tea & Lemonade - Bishop Ranch Ballroom Lobby

3:10 - 4:00 **One Medicine**

*Patricia Conrad, DVM, PhD, University of CA, Davis — Davis, CA*  
Dr. Conrad takes the "big picture" approach to integrated research without losing site of the details. Her research has focused on determining how protozoan parasites end up in diverse host populations. She will share insights from her work in a variety of interrelated health settings as a means to demonstrate that when it comes to health, the whole world is interconnected!



*Kathleen Slater, PHM*  
*NCASM Secretary*  
*Santa Clara County Public Health Lab*  
*2220 Moorpark Ave—2nd Floor*  
*San Jose, CA 95128—2613*



**26th Annual NCASM Meeting MARCH 13th & 14th, 2009**  
**PREREGISTRATION DEADLINE –postmarked by March 6th, 2009**

**Bishop Ranch Marriott —San Ramon, CA**  
**2600 Bishop Dr. San Ramon, CA 94583**

CONVENIENT to I-680

Please contact the Marriott for reservations: **(925) 867-9200**

Tell them you are with the NCASM meeting for special room rate of **\$89/night !**

\*\*\*\*\* **Rate cut-off FEBRUARY 26th, 2009** \*\*\*\*\*

\*\*\*\*\* NCASM meeting attendees get reduced price hotel parking rate. \*\*\*\*\*

**Directions to the San Ramon Marriott @ Bishop Ranch:**

From SF:

Take I-80 East to the Bay Bridge / Oakland to I-580 East. Continue on I-580E to I-680 North (at Dublin); exit I-680 at Bollinger Cyn. Road. Turn right on Bollinger Cyn.Rd. Take the first left onto Sunset Dr. Go left at Bishop Dr. and the hotel entrance is 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. Follow ramp onto CA-238 to 580 East. Merge onto I-680 N (in Dublin) toward SACRAMENTO. Continue on I-680 North and exit at Bollinger Cyn. Rd. Turn right onto Bollinger Cyn Rd; take the first left onto Sunset Dr. Go left at Bishop Dr. and the hotel entrance is on your left.

From the South Bay:

Take I-680 North. Continue on I-680N and exit at Bollinger Cyn. Rd. Turn right onto Bollinger Cyn Rd; take the first left onto Sunset Dr. Go left at Bishop Dr. and the hotel entrance is on your left.

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 to I-680 North (at Dublin). Take I-680 N and exit at Bollinger Cyn. Road. Turn left onto Bollinger Cyn Rd; take the first left onto Sunset Dr. Go left at Bishop Dr. and the hotel entrance is on your left.

From the East Bay:

Take I-580 East (from Oakland) or I-580 West (from Tracy) to I-680 North. Continue on I-680 North and exit at Bollinger Cyn. Road Turn right onto Bollinger Cyn Rd; take the first left onto Sunset Dr. Go left at Bishop Dr. and the hotel entrance is on your left.

# GENERAL INFORMATION

## PRICES KEPT LOW 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 Reception.

### Posters & Information Boards

Poster presentations will be accepted. Posters will be hung ONLY with push pins or velcro. Please contact Michele Jay Russell at: [mjay@wifss.ucdavis.edu](mailto:mjay@wifss.ucdavis.edu) for details.

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 San Ramon Marriott will make every effort to provide for the participant's comfort and convenience.

### 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 for a total of twenty-four (24) contact hours.
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 \_\_\_\_\_

Preferred Contact method    • regular mail                      • email –please check here if NCASM can contact you via email

## 26th Annual NCASM Meeting ONE WORLD; MANY MICROBES March 13 & 14, 2009

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

	<b>Members (Paid-to-date)</b>	<b>Non-Members</b>	<b>Student* Members</b>
Both Days	• \$155	• \$220	• \$55
Friday Only	• \$110	• \$160	• \$40
Saturday Only	• \$110	• \$160	• \$40

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

**Line A** \$ \_\_\_\_\_  
**Late Fee** (postmark after **March 6**) Add \$20 \$ \_\_\_\_\_  
 Non-NCASM Members CEU Fee Add \$25 \$ \_\_\_\_\_

NCASM Membership

(January - December 2009).....	Regular	\$25	\$ _____
(January—December 2009).....	Student	\$5	\$ _____
<b>Total</b>			\$ _____

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

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 (No Credit Cards Accepted)*

*Mail form and checks to:*  
 Kathleen Slater, PHM  
 NCASM Secretary  
 Santa Clara County Public Health Lab  
 2220 Moorpark Ave—2nd Floor  
 San Jose, CA 95128-2613

*For Registration Information, contact:*  
 Wendy Wilson, PhD  
 (510) 512-2231  
 E-mail: [wendy\\_wilson\\_fujino@yahoo.com](mailto:wendy_wilson_fujino@yahoo.com)

**EMPLOYMENT/DISCIPLINE:**

- ACADEMIA
- CLINICAL
- OTHER (SPECIFY) \_\_\_\_\_
- INDUSTRY
- PUBLIC HEALTH

**I WOULD LIKE INFO ABOUT AN NCASM COMMITTEE:**

- WEBSITE
- PROGRAM
- SCIENCE/EDUCATION
- UNDERGRAD STUDENT CHAPTERS
- NEWSLETTER
- AWARDS
- NEWSLETTER

see refund policy and CEU information on page one of this program