

# A 2012 Anaerobe

## Anaerobic Identification and Susceptibility Testing Workshop

University of Santa Clara, Santa Clara, CA June 27-June 28, 2012

The *Pre-Congress Anaerobic Identification and Susceptibility Testing Workshop* will be conducted June 27-28, 2012 on the campus of Santa Clara University in Santa Clara, CA. This 2-day course will consist of lecture and hands-on experience, covering both classical and advanced methods for identification and susceptibility testing of anaerobic bacteriology.

On the first day, **Classical Techniques** for identifying anaerobes based on phenotypic characteristics will be presented by Diane Citron and Mike Cox. These methods will include appearance on gram-stain, growth on selective media, susceptibility to special potency antibiotic disks, preformed enzyme reactions, and classical biochemical reactions. The *Anaerobe Educator* software program will be used to present test reactions and to allow for active audience participation in the identification of organisms. Susceptibility testing methods include agar dilution, broth microdilution, and Etest.

On the second day, advanced methods to identify isolates will be explored.

**MALDI-TOF Mass Spectrometry** will be presented by Dr. Elisabeth Nagy with demonstrations of some of the current technology being developed. The discussion will include limitations of the current databases and progress in their development.

**16S rDNA Sequencing** will be presented by Kerin Tyrrell with discussion on the benefits and pitfalls of working with GenBank, a non-curated database. Emphasis will be placed on how to review BLAST results and choose the correct identification, not necessarily the first item on the listing. Attendees will have hands-on computer experience using GenBank and BLAST to identify challenging sequences that will be provided in the workshop. Assessment of the BLAST result listing, linking out from the result listing to individual deposit information, and recognizing various problems that can arise with some sequence deposits will be discussed.

**Culture Independent Methods** will be presented by Dr. George Conrads to investigate the mixed flora present in oral and other invasive infections.

**Pyrosequencing** will be presented by Laurie Cox and discussed with regard to culture independent determinations of the fecal microbiome, in light of studies that have shown conditions—such as obesity, Crohn's disease and autism—are linked to altered microbiome populations.

**Registration Fee:** \$240 — Course Limited to 55 participants

includes course, continental breakfasts, breaks, Wednesday night dinner, and bus transportation to *Anaerobe 2012* hotel on Thursday night for Congress registrants. Registrants will be responsible for lunch each day.

Each student also will receive a copy of the *Anaerobe Educator*.

**CEU Accreditation:** This workshop is accredited for 14 continuing education contact hours for clinical laboratory scientists by Microbiology Educational Services.

**Hotels:** The Workshops will be held in Santa Clara, so separate hotel reservations will be required. Do not make reservations at the Grand Hyatt in San Francisco for these nights. There will be no transportation to Santa Clara from San Francisco.

The main hotel for the Workshops will be the **Wyndham Hotel San Jose/Holiday Inn** in San Jose, CA. This newly remodeled hotel offers free shuttle service from San Jose Airport and a bus will provide transport from the hotel to Santa Clara University each morning. The hotel is going through an ownership change, and as a result, the on-line reservation system can not process our discounted room rate of \$149 + tax per night. You can make hotel reservations by: (1) Call the hotel at (408) 453-6200 and ask for our in-house reservationist, Merritt Mulinix, (available Tuesday & Wednesday between 10:00am & 6:00pm or Thursday between 7:30am & 3:30pm). Ask for the Anaerobe Society Rate. (2) Send an email to: [ralatorre@wyndham.com](mailto:ralatorre@wyndham.com) and ask for the Anaerobe Society Rate. For information on the hotel, visit the website: [www.wyndham.com/hotels/SJCAP/](http://www.wyndham.com/hotels/SJCAP/)

A second hotel option is the Best Western Airport Plaza in Santa Clara, CA. It is 1 mile from San Jose Airport, but does not offer airport shuttle service. It is a 15 minute walk to the Workshop location on the campus of Santa Clara University, shuttle bus is not provided. Complimentary Breakfast is provided. Room rates are \$105 single; \$115 double. For this discount rate, reservations can only be made by calling the hotel directly at (408) 243-2400 and ask for Chrystal or Candy.

If you have problems booking hotel reservations, contact the Anaerobe Society at [asa@anaerobe.org](mailto:asa@anaerobe.org) or call: (310) 216-9265.

### Faculty:

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