

SEMINAR REGISTRATION

Please complete and return this form with your registration fee of \$88 to attend the Hardy Seminar. Space is limited, so please register as soon as possible. In order for space to be held, this form must be returned with payment included.

*Photocopies of this form are acceptable.

Please Print Clearly

Name _____

Title _____ Employer _____

Home Address (for confirmation letter and map) _____

City _____ State _____ Zip _____

Day Phone (include area code and extension) _____

- I have included a check for \$88.
or
 Please charge my credit card.

Name on Card _____

Card Number _____

Card Type (Visa, Mastercard, etc.) _____ Expiry Date _____

Please send registration and payment by January 27, 2012.

MAIL REGISTRATION AND PAYMENT TO:

Seminar Coordinator
Hardy Diagnostics
1430 W. McCoy Lane
Santa Maria, CA 93455

hardya@hardydiagnostics.com
Fax: 805.346.2760
Tel: 800.266.2222 ext. 5692



February 11, 2012

Desert Regional Medical Center
Palm Springs, California

EDUCATIONAL SEMINARS PRESENTS

Detecting and Reporting Beta-Lactam Resistance

in Enterobacteriaceae

PAUL C. SCHRECKENBERGER PhD, D(ABMM), F(AAM)

Professor of Pathology
Director, Clinical Microbiology
Loyola University Medical Center

Seminar Information

Course consists of six hours of instruction, separated by a one hour lunch break.

Location

Desert Regional Medical Center
Sinatra Education Center
1150 North Indian Canyon Drive
Palm Springs, California

Date and Time

Saturday, February 11, 2012
9:00 am – 4:30 pm

Continuing Education

Six continuing education contact hours will be offered at the conclusion of the seminar. Hardy Diagnostics is a licensed accrediting agency (#0125) for continuing education and is registered with the State of California Department of Health Laboratory Field Services. Course number for this program is #0125021112.

Tuition

Registration for this seminar is \$88, which includes continental breakfast, lunch, handouts, and CEU certificate.

Please complete the registration form on the reverse side and mail it to Hardy Diagnostics by January 27, 2012. Space is limited. Confirmation letters will be mailed to the address on the registration form.

Need help?

Email Anne Hardy at hardya@hardydiagnostics.com.
Registration is not taken by phone. Space will be held after receipt of registration form and payment.

Acknowledgement

Thank you to our host, Desert Regional Medical Center, for the use of their facilities.

Workshop

Detecting and Reporting Beta-Lactam Resistance in *Enterobacteriaceae*: Use and Interpretation of the 12-Disk Test

Description

In this six hour workshop, participants will learn when/why/how to test for ESBLs, KPCs, SMEs, NDM-1 and other beta-lactamases in members of the *Enterobacteriaceae*.

1. Lecture Segment (3.5 hrs.) – Using slide-enhanced lecture, participants will learn how to detect ESBLs in AmpC-producing isolates and in organisms other than *E. coli* and *Klebsiella*. Participants will also learn how to detect and report K-1 beta-lactamases in *K. oxytoca*, SME beta-lactamases in *Serratia marcescens*, KPC, NDM-1 and other carbapenemases.
2. Practical Exercises (1.5 hr.) – In this segment participants will practice applying the techniques learned in the workshop by interpreting the results of actual susceptibility tests by observing pictures of double disk diffusion plates and providing the mechanism of resistance and the proper interpretation of susceptibility results.
3. Case Studies (1 hr.) – Participants will practice their interpretive skills by reviewing patient case reports of unusual or challenging resistance scenarios.
4. Participants will receive CLSI formatted procedure for performing the Double Disk Diffusion Test and a complete reference list for the procedures described in the workshop.

Objectives

- At the conclusion of this workshop, participants will be able to:
- Describe the mechanisms of beta-lactamase resistance found in members of the *Enterobacteriaceae*
 - Set up and interpret the 12-disk double disk diffusion method for detecting ESBL-, AmpC-, K1-, KPC-, NDM-1, SME-, NMCA-producing isolates of *Enterobacteriaceae*
 - Apply the double disk diffusion method for detecting ESBLs in organisms other than *E. coli*, and *Klebsiella*, and for detecting ESBLs in organisms that also produce AmpC beta-lactamases
 - Describe methods for detection of carbapenemases, including the Hodge test and MBL Etest and EDTA disk test
 - Modify susceptibility reports based on characterization of resistance genotypes

Audience

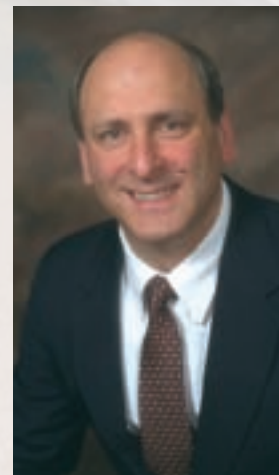
This workshop is intended for:

- Clinical laboratory personnel currently working in the microbiology laboratory
- Supervisors and Laboratory Directors of Clinical Microbiology Laboratories

Level of Instruction

Advanced

Speaker



Paul C. Schreckenberger, PhD
Diplomate (ABMM), Fellow(AAM)
Professor of Pathology
Director, Clinical Microbiology
Associate Director Molecular Pathology
Loyola University Medical Center

Dr. Schreckenberger is currently a Professor of Pathology at Loyola University Chicago Stritch School of Medicine and the Director of the Clinical Microbiology Laboratory and Associate Director of Molecular Pathology at Loyola University Medical Center. Dr. Schreckenberger is a Diplomate of the American Board of Medical Microbiology, D(ABMM), and a Fellow in the American Academy of Microbiology,

F(AAM). He is also certified as a medical technologist by both the American Society of Clinical Pathology, MT(ASCP) and the National Certifying Agency for Medical Laboratory Scientists CLS(NCA). Dr. Schreckenberger is co-author of the Color Atlas and Textbook of Diagnostic Microbiology, 4th, 5th, and 6th editions, Lippincott, Williams & Wilkins; and, author of the chapter on Miscellaneous Nonfermentative Gram-Negative Rods in the Manual of Clinical Microbiology, 7th, 8th, and 9th editions, ASM Press. Dr. Schreckenberger is active in the American Society for Microbiology, serving as Chairperson of Division C (Clinical Microbiology) in 2001-2002. He also served as president of the Illinois Society for Microbiology (1991-92), and president of the South Central Association for Clinical Microbiology (1990). He is an active participant in the Clinical and Laboratory Standards Institute (CLSI) Subcommittee on Antimicrobial Susceptibility Testing, serving on a number of Working Groups. He has written over 250 articles, abstracts, monographs and self-study courses and serves as a member of the editorial board for the Journal of Clinical Microbiology. Dr. Schreckenberger received the Illinois Society for Microbiology Pasteur Award for Lifetime Achievement in Microbiology in November 2010. Dr. Schreckenberger has lectured extensively both nationally and internationally, presenting both workshops and seminars on a variety of topics in clinical microbiology. His research interests are identification and characterization of enteric and non-fermenting gram-negative bacilli, rapid and automated identification of bacteria, methods for detection of antimicrobial resistance and lowering laboratory costs by controlling utilization.