

## Registration

- ◆ **REGISTER AT WWW.NYSCHP.ORG** For more information and to register go to [www.nyschp.org](http://www.nyschp.org). You may link to the conference website directly from the NYSCHP home page. **The fee for this program is: \$495 until October 31, 2010. A \$50 fee will be charged after October 31, 2010.**
- ◆ Cancellations received 30 days prior to each program may request a 90% refund. Paid registrants who fail to attend the on site conference will receive the 5 hours home-study statement of credit or CME provided the registrant successfully scores 70% or higher on the home-study test.
- ◆ The right to cancel or change locations of the seminar due to insufficient registration is reserved by NYSCHP; registrants will be notified and receive a full refund for cancellation.
- ◆ Home study information will be sent to registrants upon registration via a link in the email confirmation. The registration fee includes a CME certificate for physicians or CE statements of credit and a formal antimicrobial stewardship certificate for pharmacists.
- ◆ "NYSCHP" Room Block available at the Holiday Inn, 110 Community Drive, Augusta, Maine, 207-622-4751, until October 11, 2010. For special room rate please request the "NYSCHP Room Block".

### NYSCHP



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PRESENTED BY: THE NEW YORK STATE COUNCIL OF HEALTH-SYSTEM PHARMACISTS, INFECTIOUS DISEASE SOCIETY OF NY, THE MAINE SOCIETY OF HEALTH-SYSTEM PHARMACISTS AND MONTEFIORE MEDICAL CENTER, UNIVERSITY OF NEW ENGLAND  
CME CREDIT ISSUED BY ALBERT EINSTEIN COLLEGE OF MEDICINE  
CE CREDIT ISSUED BY NEW YORK STATE COUNCIL OF HEALTH-SYSTEM PHARMACISTS

## Antimicrobial Stewardship Certificate Program

*Augusta Civic Center  
Augusta, Maine*

November 12, 2010 11:30 AM—6:30 PM

November 13, 2010 7:00 AM—12:30 PM

*This educational activity was made possible in part by restricted educational grants from:*

*GNYHA, Inc., Ortho-McNeil, Division of Ortho-McNeil-Janssen Pharmaceuticals, Inc. administered by Ortho-McNeil Janssen Scientific Affairs, LLC, Cubist*

## Statement of Need

Antimicrobial Stewardship utilizes a team approach of physicians and pharmacists working together to manage antibiotic use in an institution. The goal of antimicrobial stewardship is "The optimal selection, dosage, and duration of antimicrobial treatment that results in the best clinical outcome for the treatment or prevention of infection, with minimal toxicity to the patient and minimal impact on subsequent resistance" (*Gerding DN. The search for good antimicrobial stewardship. Joint Commission J Qual Improv 2001;27:403-4*). The goal of the Antimicrobial Stewardship Certificate Program is to provide the knowledge base and a mentoring program to work with clinical pharmacists and infectious disease physicians who will implement an antimicrobial stewardship program at their institutions as an essential component of patient safety.

**Conflict of Interest Statement:** The "Conflict of Interest Disclosure Policy" of Albert Einstein College of Medicine requires that faculty participating in any CME activity disclose to the audience any relationship(s) with a pharmaceutical or equipment company. Any presenter whose disclosed relationships prove to create a conflict of interest with regard to their contribution to the activity, or who refuses to provide all their conflict of interest information, will not be permitted to present.

The Albert Einstein College of Medicine also requires that faculty participating in any CME activity disclose to the audience when discussing any unlabeled or investigational use of any commercial product, or device, not yet approved for use in the US. Albert Einstein College of Medicine CCME staff, the staff of NYSCHP, and IDSNY have no conflicts of interest with commercial interests related directly or indirectly to this educational activity.

**Special Needs:** If any participant of the "Antimicrobial Stewardship Program" given by Albert Einstein College of Medicine is in need of accommodations, please do not hesitate to submit written requests to Debra Feinberg at [dfeinberg@nyschp.org](mailto:dfeinberg@nyschp.org) or 518-456-8819, at least 2 weeks prior to the activity.

## Faculty

### Course Directors

#### Brian Currie, MD, MPH

Professor of Clinical Medicine, Department of Medicine, (Infectious Diseases), Professor of Clinical Epidemiology & Population Health, Assistant Dean for Clinical Research, Albert Einstein College of Medicine, Vice President and Medical Director for Research, Montefiore Medical Center, Bronx, NY

#### Belinda Ostrowsky, MD, MPH

Assistant Professor, Department of Medicine (Infectious Diseases), Albert Einstein College of Medicine, Director, Antimicrobial Stewardship Program, Montefiore Medical Center, Bronx, NY

#### Debra B. Feinberg, RPh, JD

Co-Director, Antimicrobial Stewardship Program  
BS Pharmacy, JD, Executive Director, New York State Council of Health-system Pharmacists, NY

#### Robert C. Owens, Jr., PharmD

Co-Director, Antimicrobial Stewardship Program  
Clinical Pharmacy Specialist, Infectious Diseases  
Maine Medical Center, Portland, ME

### Course Faculty

#### August Valenti, MD, FIDSA

Hospital Epidemiologist, Maine Medical Center, Portland, ME

#### Thomas Lodise, PharmD

Associate Professor, Dept. of Pharmacy Practice, Albany, NY  
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#### Ben Lomaestro, BS, PharmD

Senior Clinical Pharmacy Specialist, Albany Medical Center Hospital, Albany, NY

#### Belinda Ostrowsky, MD, MPH

Assistant Professor Department of Medicine (Infectious Diseases), Albert Einstein College of Medicine, Director Antimicrobial Stewardship Program, Montefiore Medical Center, Bronx, NY

#### Robert Owens, Jr., Pharm D

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#### Jeffrey D. Kennicutt, BS, PharmD

Clinical Pharmacy Specialist Infectious Disease, St. Peter's Healthcare Services, Albany, NY

#### Elizabeth Dodds-Ashley, PharmD

Clinical Pharmacy Specialist, University of Rochester Medical Center, Rochester, NY

#### Louis Rice, MD

Chief Medical Service, Louis Stokes Cleveland VA Medical Center, Cleveland, OH

# Course Outline

## Antimicrobial Stewardship Certificate Program:

In order to receive your certificate of completion, you must successfully complete both parts (part 1 & part 2) of the antimicrobial stewardship program. The steps need to be completed in succession, as you will be unable to participate in the live program without first completing the home study program. Formal certificates will be mailed upon successful completion of the program, in its entirety.

**Intended Audience:** This activity is designed for Physicians and Pharmacists

### PART 1 – Home Study Training

(5 Hours: 0.5 CEUs) 134-000-09-007-H01-P

**Overview of Antimicrobial Stewardship in 2010:** Dellit TH, Owens RC, McGowan JE, et al. *Infectious Diseases Society of America and the Society for Healthcare Epidemiology of America Guidelines for Developing an Institutional Program to Enhance Antimicrobial Stewardship*. CID 2007; 44:159-77.

**MRSA: Reimbursement, Throughput, Guidelines:** Ryback M, Lomaestro BM, Rotschafer JC, et al. *Therapeutic Monitoring of Vancomycin in Adult Patients: A Consensus Review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, and the Society of Infectious Diseases Pharmacists*. AJHP 2009; 66:82-98.

**MDR GNRs: What to Do With Them, Optimal Therapy:** Paterson D, *Impact of Antibiotic Resistance in Gram-Negative Bacilli on Empirical And Definitive Antibiotic Therapy*; CID 2008; 47: S14-S20. Nicasio A, Kuti J, Nicolau D, *The Current State of Multidrug-Resistant Gram-Negative Bacilli in North America*; AM Pharmacotherapy 2008; 28(2):235-249

**De-escalation, Short Course Therapy Strategies:** Kollef MH, *Appropriate Empirical Antibacterial Therapy for Nosocomial Infections*; Drugs2003;63(20):2157-2168.

**Optimizing Dosing Strategies: PK PD from Bench top:** Lodise TP, Lomaestro BM, Drusano GL: *Application of Antimicrobial Pharmacodynamics Concepts into Clinical Practice, Focus on b-Lactam Antibiotics*, Pharmacotherapy 2006; 26(9):1320-1332.

**Stewardship Role in HOPS and SCOP:** Anderson DJ, Kaye KS, Classen D, et al. *Strategies to Prevent surgical Site Infections in Acute Care Hospitals*; Infection and control and Hospital Epidemiology, 2008; 29:1-11.

### PART 2 – Conference: On Site Training

(10 Hours ;1.0 CEUs) 134-000-09-008-L01-P

The CME/CE conference involves 10 hours (1.0 CEUs) of both lecture and hands-on training in a workshop setting. Participants will: review and discuss antibiotic restriction policies and order forms, participate in round-table discussions of antibiograms, will discuss cost-justification of antimicrobial stewardships, engage in case studies addressing combination therapy, de-escalation of empiric antibiotics, dose optimization, IV to PO streamlining, and will determine how to monitor outcomes. At the conclusion of the conference an open-book final exam must be completed, with a score of at least 70% correct responses.

#### Accreditation

**Physicians** This activity has been planned and implemented in accordance with the 'Essential Areas and Policies' of the Accreditation Council for Continuing Medical Education (ACCME) through joint sponsorship of Albert Einstein College of Medicine, NYSCHP and IDSNY. Albert Einstein College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

#### Credit Designation

**Home Study:** Albert Einstein College of Medicine designates this educational activity for a maximum of 5 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Conference:** Albert Einstein College of Medicine designates this educational activity for a maximum of 10 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Pharmacists** will receive a total of 15 hours of continuing education credit (1.50 CEUs) upon completion of this seminar; in its entirety. The New York State Council of Health-system Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

**DIDACTIC HOME-STUDY COMPONENT:** ACPE 134-000-09-007-H01-P (5 hrs.or 0.5 CEUs) **LIVE PROGRAM COMPONENT:** ACPE 134-000-09-008-L01-P (10 hrs. or 1.0 CEUs) Practice Based



## Learning Objectives

**Home Study** At the conclusion of the home study program you should be better able to:

1. Develop and implement evidence-based guidelines utilizing microbiology and resistance data.
2. Discuss the preparation of antibiograms and potential pitfalls in the preparation.
3. Develop an antibiogram for your institution.
4. Evaluate mechanisms for managing nosocomial infections and prevention/reduction of resistance.
5. Strategize the process for setting up an ASP; insuring hospital administration commitment as a quality assurance and patient safety initiative.
6. Monitor and report outcomes of an ASP.
7. Identify barriers in your own facility to the implementation of an ASP.

**On Site Conference** At the conclusion of the conference you should be better able to:

1. Develop evidence-based practice guidelines to improve antimicrobial utilization and patient safety.
2. Evaluate antibiograms utilized in participating institutions.
3. Assess the use of de-escalation or streamlining of empiric antimicrobials and the desired outcomes in patient care.
4. Develop guidelines for conversion to oral antimicrobials.
5. Review and evaluate process measures and outcome measures in determining the impact of the ASP on antimicrobial use and resistance data.
6. Compare and contrast mechanisms to monitor outcomes and utilize antimicrobial data for program improvement.
7. Evaluate the role technology plays in the effectiveness of ASPs.

## Conference Agenda

### November 12, 2010

11:30AM-12:15 PM	Registration
12:15-12:45 PM	Description of Stewardship Experience
12:45-1:30 PM	Overview of Antimicrobial Stewardship
1:30-3:45 PM	Bugs of Importance: c. diff; GNRs; MRSA
3:45-4:00 PM	Break
4:00-6:15 PM	Stewardship Opportunities: HOPS and SCIP; Optimizing Dosing; Appropriate Durations of Therapy/De-Escalation
6:15-6:30 PM	Wrap Up/Announcement

### November 13, 2010

7:00-7:45 AM	Breakfast
7:45-9:15 AM	Nuts and bolts: Implementation, Barriers, Monitoring Workshops/Strategies
9:15-11:00 AM	De-Escalation, Short Course Therapy Strategies
9:00-9:45 AM	Break
10:00-10:15 AM	Workshops
10:15-11:00AM	Test
11:30AM-1:00 PM	Boxed Lunch at conclusion of program
1:00 PM	

**Grievance Policy:** All grievances regarding courses, personnel or practices at any continuing pharmacy education program should be brought to the attention of the NYSCHP Executive Director. Every attempt will be made to satisfy the complainant. In addition, measures shall be taken to correct deficiencies. Those program participants who wish to appeal their participation at a program should address such an appeal in writing to the NYSCHP Executive Director within 10 working days of the program. The Executive Director will convene an appeal process committee consisting of the members of the CCC within 30 days after the filing of the appeal. The written results of the appeal will be shared with the participant within two weeks following the committee meeting.