# Antimicrobial Stewardship Program
# Practice-Based Program for Healthcare Providers

Antimicrobial Stewardship Program Practice-Based Program for Healthcare Providers is designed for clinicians engaged in antimicrobial stewardship program activities designed to optimize antimicrobial use in acute care settings. This program will address professional competencies for ASP leaders as outlined in the Society of Infectious Diseases White Paper (SHEA) on the 'Guidance for the Knowledge and Skills Required for Antimicrobial Stewardship Leaders'

## The goals of this program are to:

1) determine approaches towards implementing an ASP in the acute care setting in order to optimize prescribing of antimicrobials;
2) identify appropriate ASP strategies for a given institution and how to track whether goals are being met; and
3) help providers understand facilitators and barriers to ASP implementation

This practice-based program addresses the following professional competencies for ASP leaders as outlined in the Society of Infectious Diseases White Paper (SHEA) on the 'Guidance for the Knowledge and Skills Required for Antimicrobial Stewardship Leaders'.[16]

## Key Learning Objectives

1. Understand the general principles of ASP and ASP approaches to interventions towards reducing inappropriate antimicrobial use.

2. Understand the spectrum, adverse drug effects, drug interactions, mechanisms of resistance and treatment options for resistant organisms, and the pharmacokinetic and pharmacodynamic aspects of antimicrobials.

3. Understand the role of the microbiology laboratory such as interpretation and reporting of microbiologic data, including viruses and fungi, incorporation of antibiogram data into ASP strategies and ASP tracking systems, and options for rapid diagnostic testing.

4. Recognize the level of evidence of guidelines concerning common infectious syndromes and their role in ASP strategies.

5. Identify appropriate ASP measures and analyses to track and assess program outcomes, including measurement of antimicrobial drug usage.

6. Use effective communication skills to obtain support and buy-in for ASP from a variety of stakeholders.

This certificate program will include two components:

- Didactic Sessions (provided primarily through self-study distance education and on-line educational materials). By reviewing the selected readings and working through the 6 case studies on our website, participants review the pathophysiology of common infectious diseases syndromes, the first-line treatment options, and recommended duration of antibiotic use, the common antimicrobial resistance problems, including their prevalence, the pharmacologic properties of antimicrobial agents, and microbiologic laboratory data interpretation.

## Speakers:

Amy Pakyz, PharmD, MS, PhD
Associate Professor
Department of Pharmacotherapy & Outcomes Science
Virginia Commonwealth University | School of Pharmacy

Shaina Bernard, PharmD
Infectious Diseases Pharmacist Specialist
Department of Pharmacy Services
Virginia Commonwealth University Health System

## Date and Location:

### November 6, 2016

### Kingsmill Resort
### 1010 Kingsmill Rd
### Williamsburg, VA 23185

### Rate: $150 for VSHP conference attendees or $225 for VSHP members

### Time: 9am - 4pm

**To Register:**
HTTP://VCUSOPCE.LEARNINGEXPRESSCE.COM

- Antimicrobial Stewardship Program Workshop. Participants will be required to attend a one-day interactive workshop led by faculty preceptors. Active learning techniques will be used to deliver the workshop including hands-on demonstrations and role-playing. Content will include: • Building an ASP • ASP interventions • ASP measurement and analysis

**VCU** **vshp**

**VIRGINIA COMMONWEALTH UNIVERSITY**
School of Pharmacy