

Activity Announcement

Introduction to Pharmacogenomics for the Health-System Pharmacist and Pharmacy Technician

Planned in cooperation with the Section of Clinical Specialist and Scientists

ACPE Activity Number: 0204-0000-21-073-L04-P, 0204-0000-21-073-L04-T

Activity Date: August 25, 2021

Activity Type: Knowledge-based

CE Credits: 1.0 contact hour (0.1 CEU), no partial credit

Activity Fee: Members – Free / Non-Member – Not Available

Accreditation for Pharmacists



The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Target Audience

This activity was planned to meet the educational needs of health-systems pharmacy team members involved in the care of patients who are prescribed medications with FDA-labeling or clinical guidelines pertaining to pharmacogenomic considerations.

Activity Overview

Clinical pharmacogenomics is the practice of using patient specific genetic information to guide drug therapy selection and dosing in order to improve outcomes, minimize toxicity, and optimize therapeutic efficacy. Pharmacists are well-positioned to lead efforts to develop, implement, and interpret pharmacogenomic testing in clinical practice. Therapeutic guidelines from the Clinical Pharmacogenetics Implementation Consortium (CPIC) exist to guide pharmacotherapy decisions when pharmacogenomic information is available. There are several medications and drug classes with guidelines for pharmacogenomic dose optimization including warfarin, selective serotonin reuptake inhibitors, opioids, simvastatin, and non-steroidal anti-inflammatory drugs. With the wide variety of medications across a spectrum of medical fields with guidelines for pharmacogenomic testing, it is important for health-system pharmacists to have a strong baseline knowledge of the application of pharmacogenomics.

Learning Objectives

1. Describe the principles of pharmacogenomic testing.
2. Discuss available pharmacogenomic guidelines and resources for pharmacists and pharmacy technicians.
3. Describe the role of pharmacists and pharmacy technicians providing pharmacogenomic services.

Schedule of Educational Activities

- Introduction and Announcements
- Presentation
- Questions, Answers, and Discussion



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Faculty Information

- **Jai N. Patel, Pharm.D., BCOP, CPP**, Chair, Cancer Pharmacology & Pharmacogenomics, Associate Professor, Division of Hematology/Oncology, Levine Cancer Institute, Atrium Health
- **Aniwaa Owusu-Obeng, Pharm.D.**, Clinical Pharmacogenomicist, The Charles Bronfman Institute for Personalized Medicine, Icahn School of Medicine, New York, NY

Faculty Disclosures

In accordance with the ACPE's and ACCME's Standards for Commercial Support, anyone in a position to control the content of an educational activity is required to disclose to the accredited provider their relevant financial relationships. In accordance with these Standards, all potential conflicts of interest have been resolved. *An individual has a **relevant financial relationship** if he or she (or spouse/domestic partner) has a financial relationship in any amount occurring in the last 12 months with a commercial interest whose products or services are discussed in the activity content over which the individual has control.*

As defined by ACCME, a **commercial interest** is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The Standards for Commercial Support do not consider providers of clinical service directly to patients to be commercial interests. The existence or non-existence of relevant financial relationships will be disclosed to the activity audience. All identified conflicts of interest must be resolved prior to the activity.

- **All planners, presenters, reviewers, and ASHP staff report no financial relationships relevant to this activity.**

Methods and CE Requirements

This Live Webinar activity consists of faculty slides presentations, active learning activities, discussion, and handouts. Participants must attend the activity in its entirety to get the Attendance code to claim continuing pharmacy education credit online at ASHP eLearning Portal. Follow the prompts online to complete the evaluation, claim credit and view the statement of credit immediately after the activity but no later than **October 24, 2021**.

Per ACPE requirements, CPE credit must be claimed within 60 days of being earned. To be sure your CE is accepted inside of ACPE's 60 day window; plan to process your CE before **October 24, 2021**! Claim your CE at <http://elearning.ashp.org>. Once you have processed and claimed your CE credit, we encourage you to check your NABP eProfile account to verify your credits were transferred successfully before the ACPE 60-day deadline. It is an electronic direct-report process so your credits should appear in your account within a few minutes. After the 60 day deadline, ASHP will no longer be able to report your credit(s) for this activity.

System Technical Requirements

Courses and learning activities are delivered via your Web browser and Acrobat PDF. Users should have a basic comfort level using a computer and navigating web sites.

View the [minimum technical and system requirements](#) for learning activities.