

PRINCIPLES OF PHARMACOGENOMICS  
DR. COURTNEY ALEXANDER  
RECORDED WEBINAR



PROGRAM OVERVIEW

This presentation will provide an introduction to the fundamental principles of pharmacogenomics.

The registration fee for this program is \$25.

Following registration, participants will have access to course instructions, updates, presentations, recorded webinar, program evaluation, CE certificates and credits, etc. **This recorded program is approved for 1.0 ACPE Contact Hours, .1 CEUs.** Once credit is awarded, transcripts will be available online within 24 hours on the learner's CPE Monitor profile at <http://nabp.pharmacy/>.

***The Office of Alumni and Professional Affairs strongly encourages each participant to check their profile online within 60 days of attendance to ensure credit has been awarded properly. ACPE will not accept CE submissions after 60 days from the live seminar date.***

This program is not sponsored by an external organization.

## TARGET AUDIENCE

This knowledge-based program is intended for Pharmacists (ACPE).

## LEARNING OBJECTIVES

1. Define precision medicine and pharmacogenomics.
2. Describe the function of various gene regions (i.e. promotor, exon, intron, etc.).
3. Compare and contrast types of genetic variations (i.e. insertion, deletion, copy number variation, etc.) and potential consequences of variants.
4. Review pharmacogenomic terminology and nomenclature.
5. Describe key pharmacokinetic and pharmacodynamic proteins implicated in pharmacogenomic variation.

## ACTIVITY COMPLETION REQUIREMENTS

To complete the steps for CE credit, each attendee will be required to access and review program materials located within the online course, view the recorded Zoom webinar, complete the quiz and program evaluation within the online course, and claim credit within the course. Please contact [hsopce@auburn.edu](mailto:hsopce@auburn.edu) if you have any questions or needs related to this online CE program.

## FACULTY DISCLOSURES

Programming in with AUHCOP is in any way involved, whether as sole provider or joint-providership, shall exhibit fair content balance, providing the audience with information of multiple perspectives from which to form a professional opinion. In addition, the fair balance will assure that information provided does not discuss since commercial product. Brand names of all products included in the content may be mentioned for identification purposes only. Presenters in any continuing education offering will acknowledge and disclose any affiliation with the provider and such information will be made available to the audience.

Faculty disclosures will also be included on an introductory slide during the presentation. Dr. Alexander has no actual or potential conflict of interest in relation to this program.

## ACCREDITATION INFORMATION



The Auburn University Harrison College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider for continuing pharmacy education; credits are recognized nationwide. The Universal Activity Number for this knowledge-based program is **0001-0000-22-050-H99-P** and is intended for pharmacists.

## PROGRAM FACULTY

Courtney Watts Alexander, Pharm.D., BCPS, BCOP, joined the Harrison School of Pharmacy as an Assistant Professor of Clinical Pharmacogenomics in the Department of Pharmacy Practice on August 1, 2020. Her practice site is the Auburn University Pharmaceutical Care Center (AUPCC) where her work will focus in the area of Pharmacogenomics.

Dr. Alexander grew up in Daleville, Alabama. After earning a Bachelor of Science in Biological Sciences from the University of Alabama in 2008, she went on to complete her Doctor of Pharmacy degree from the Auburn University Harrison School of Pharmacy.

Following graduation, she completed a PGY1 pharmacy residency at the University of Texas MD Anderson Cancer Center in Houston, Texas and a PGY2 oncology residency at St. Jude Children's Research Hospital in Memphis, Tennessee. Dr. Alexander became a Board Certified Pharmacotherapy Specialist (BCPS) in 2014 and a Board Certified Oncology Pharmacist (BCOP) in 2016.

Prior to joining the Harrison School of Pharmacy, Dr. Alexander worked at Prisma-Health Upstate (formerly Greenville Health System) in Greenville, South Carolina where she served as a Clinical Pharmacy Specialist in Pediatric Hematology/Oncology. In conjunction with this position, she served as an Affiliate Clinical Assistant Professor with the University of South Carolina School of Medicine Greenville and an Adjunct Assistant Professor with the University of South Carolina College of Pharmacy.

Dr. Alexander is an active member in the American College of Clinical Pharmacy (ACCP) and the American Society of Health-System Pharmacists (ASHP). She currently serves as content expert reviewer in the ACCP/ASHP Oncology Preparatory Review and Preparation Course for those wishing to become board certified in oncology pharmacy. Her clinical and research interests include pediatric and adult oncology and pharmacogenomics.

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*Members of the Post-Graduate Education Advisory Committee have completed a conflict of interest disclosure form and have no actual or potential conflicts of interest in relation to this program.*