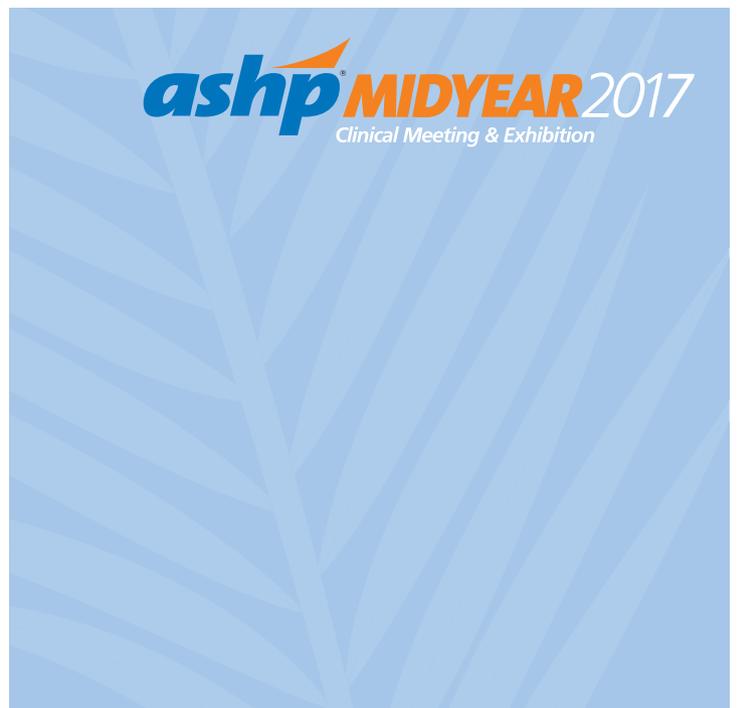


PROGRAM

Creating
**THE
FUTURE**



Creating THE FUTURE

We are excited for you to join us at the most anticipated event of the year and the culmination of ASHP's yearlong 75th anniversary celebration!

The Midyear Clinical Meeting is attended by more than 25,000 pharmacy professionals from all over the globe and is the largest gathering of pharmacists and the longest-running clinical meeting in the world. The Midyear meeting provides valuable opportunities for professional development, networking, enhancing practice skills, and staying current with the latest products and innovations.

Several once-in-a-lifetime events have been planned for our 2017 attendees, including special sessions, epic events, 75th anniversary celebrations and tokens, and an opening session to remember.



52nd ASHP Midyear Clinical Meeting & Exhibition

Orlando, Fla.

December 3–7, 2017

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FOR ALL OF YOUR PROFESSIONAL DEVELOPMENT NEEDS

visit the **ASHP Resource Center and Store** at **Booth#1161** in the Exhibit Hall

ASHP staff will be available at each kiosk to discuss your individual needs, provide demos, and share knowledge about professional development and advancing patient care.

- **ASHP** Certification Resources
- **ASHP** Professional Certificates
- **ASHP** Consulting
- **ASHP** eBooks
- **ASHP** Drug Information
- **ASHP** Foundation

WIN!

Scan your badge at 2 or more kiosks and be entered into a drawing for a **new Apple Watch!**



Welcome!



A MESSAGE FROM THE PRESIDENT

Welcome to Orlando! It's exciting to be back in this city of thrills and amusement for the largest gathering of pharmacists in the world.

I'm looking forward to joining you during this epic week as we take advantage of all the excellent opportunities for continuing professional development and networking this award-winning meeting has to offer.

Former First Lady Michelle Obama will be kicking off the Midyear meeting with a moderated conversation during the Opening Session — and that's just the beginning!

This program book, along with the ASHP LIVE! app, is your day-by-day guide for everything happening this week, including specialized educational programming for students, new practitioners, and pharmacists in all healthcare settings.

I encourage you to make meaningful connections during the many networking sessions, check out the latest technologies in our expansive exhibit program, and explore the first-rate science and research presented in the poster sessions.

This year's meeting is also the culmination of our 75th anniversary celebration. Be sure to stop by 75th Street, a special lounge area where you can take a walk down memory lane and view many of ASHP's important milestones and see what ASHP has planned for the future.

We're striving to exceed your expectations. Please let us know how we are doing. I invite you to share your thoughts with the ASHP board and staff members here in Orlando. Or send me an email at president@ashp.org.

Sincerely,

A handwritten signature in black ink that reads "Paul W. Bush". The signature is written in a cursive, flowing style.

Paul W. Bush, Pharm.D., M.B.A., FASHP

ASHP President

GENERAL INFORMATION

NOTE: All ASHP sessions, events, and exhibits will take place in the **Orange County Convention Center West Concourse** unless otherwise noted. To view a map of the convention center, see page 10.

Registration

NEW! Badge Pickup at the Hyatt Regency Orlando for Attendees and Exhibitors

Preregistered? Pick up your badge at our satellite registration kiosks located at the Hyatt Regency Orlando (adjacent to the front desk on Lobby Level).

Preregistered attendees: Bring your registration confirmation barcode with you and scan it at our satellite registration kiosks.

Exhibitors: You are welcome to use the satellite registration. Just type your name, show your ID, and pick up your badge.

Hours

Saturday–Sunday	7:00 a.m. - 5:30 p.m.
Monday	7:00 a.m. - 12:00 p.m.

Orange County Convention Center Registration **Registration A, Level 1**

Preregistered?

Preregistered attendees and exhibitors: Be sure to bring your registration confirmation barcode (exhibitors must type in their names) — it'll get you through the fast lane of preregistered. Simply scan your barcode or type your name at the preregistered kiosks. Attendee and exhibitor self-registration kiosks can be used for onsite registration.

NOTE: Registration orders must be paid in full, and you must present photo identification prior to badge pickup.

Hours

Saturday–Monday	7:00 a.m. - 5:30 p.m.
Tuesday–Wednesday	7:30 a.m. - 5:00 p.m.
Thursday	9:00 a.m. - 12:00 p.m.

Attendee Onsite Registration

Assistance will be available if you choose to register onsite and not use self-registration kiosks.

Customer Relations

If you would like to renew your membership, check on a recent order, or update your profile, visit Customer Relations, located next to Attendee Registration.

Hours

Saturday–Monday	7:00 a.m. - 5:30 p.m.
Tuesday–Wednesday	7:30 a.m. - 5:00 p.m.
Thursday	9:00 a.m. - 12:00 p.m.

Name Badges

Badges should be worn at all times. Your badge is your admission pass for all meeting sessions, posters, Residency Showcase, exhibits, and events. The QR code on your badge contains your registration information. Use it in the Exhibit Hall to request information from exhibitors and to save time in completing surveys and forms by allowing exhibitors to scan the code on your badge. If you lose your badge, check with Meeting Information to see if it has been turned in. Lost badges can be replaced at Attendee Registration for a **\$40 fee**. Badge ribbons are available from the Membership Information Center.

The letter on your badge represents your primary position as follows:

A = Director, Associate or Assistant Director, Clinical Coordinator, Other Supervisory Position

B = Staff Pharmacist, Clinical Pharmacist–General, Clinical Pharmacist–Specialist, Faculty

C = Resident

D = Student

E = Technician, Physician, Nurse, Medication/Patient Safety Officer, Informatics/Technology Specialist, Other
“PPS” or @ = PPS Participant

Badges are color-coded as follows:

■ **Full Registration: Green**

■ **Part Time and Business Clients: Blue**

■ **Exhibitor: Red**

■ **Exhibit Pass Guests: Orange**

■ **Opening Session & Wednesday Evening Event: Pink**

Emergency Contact Information Card

An emergency contact information card is included with your badge. Fill it out with your emergency contact's information and place it behind your name badge in the badge holder. This will help ASHP staff to contact someone on your behalf in the event of an emergency.

Certificate of Attendance

International attendees may pick up a certificate of attendance at the attendee registration counter or at Meeting Information.



ASHP would like to thank Sagent Pharmaceuticals for their sponsorship of the meeting lanyards.

SAGENT®

75th Street

Come join ASHP's 75th anniversary celebration at 75th Street, located on Level 1 of the convention center, adjacent to the main entrance.

ASHP's 75th Street will feature games, activities, and photo opportunities galore. It's educational, informational, and, best of all, fun!

Stroll down memory lane with our larger-than-life timeline of ASHP milestones from the past 75 years. Meet up with colleagues and friends between sessions for good conversation and networking. Check out our "75 Stories About 75 Members." Or simply relax and recharge in the 75th Street lounge.

ASHP's 75th Street will be *the place to be* to celebrate ASHP's past and help create our future.

Registration B, Level 1

75th STREET



ASHP Event Code of Conduct

ASHP aims to be inclusive to the largest number of contributors having the most varied and diverse backgrounds as possible. As such, ASHP is committed to providing a collegial, safe, and welcoming environment in which all individuals are treated with respect and dignity.

This Event Code of Conduct (the "Code of Conduct") outlines ASHP's expectations for all who participate in ASHP meetings and events, as well as the potential consequences for behavior that violates this Code of Conduct.

To learn more, visit www.ashp.org/Home/Meetings-and-Events/Meetings-and-Conferences/ASHP-Event-Code-of-Conduct.

ASHP Headquarters Office

W206 A, Level 2

Registrants may contact ASHP staff and make general meeting inquiries.

ASHP LIVE! App Support

Registration A, Level 1

Need assistance with the ASHP LIVE! app? Visit the app support desk.

ASHP Midyear Clinical Meeting News & Views

For late-breaking announcements and meeting highlights, pick up a copy of *News & Views* on newsstands in the convention center. *News & Views* is published Sunday through Thursday.

ASHP Store, ASHP Resource Center, and the Membership Information Center

Two locations, added convenience, and special savings await you at the ASHP Store. Visit the ASHP Store and Resource Center at Booth #1161 during Exhibit Hall hours — it's your one-stop shop to purchase and learn more about ASHP's latest products and services. When the Exhibit Hall is closed, there will be a smaller ASHP Store open in conjunction with the Membership Information Center.

At the ASHP Store and Resource Center, Booth #1161, you'll be able to browse publications available in print and ebook formats. **This year, all products in the ASHP Store will be discounted 10% during the meeting and, in honor**

of ASHP's 75th anniversary, any order of \$75 or more will be eligible for free shipping. All books in the store are display copies and inventory will be shipped to conveniently arrive after you return from the Midyear.

Michelle Obama's book, *American Grown: The Story of the White House Kitchen Garden and Gardens Across America*, will be available for purchase at the ASHP Store and Resource Center. Be sure to also stop by the speakers table to browse publications written by 2017 Midyear meeting session presenters. All books featured at this table are available to take home after purchase, while supplies last.

At the ASHP Store and Resource Center, dedicated staff will be available to answer questions and provide demos for ASHP certification resources, ASHP certificate programs, AHFS Clinical Drug Information, competency assessment products, and other eLearning subscription products. You can also talk to staff from the ASHP Foundation, *AJHP*, and ASHP Consulting to learn more about various services and programs.

The combined ASHP Store and Membership Information Center is located outside the Exhibit Hall, on Level 2 of the West Concourse. There you can make purchases (during non-exhibit hours), join ASHP, renew your membership, and **pick up your ribbons**, in one convenient location. If you have any questions or concerns, please speak with a customer service representative at checkout.

ASHP Store and Membership Information Center Level 2, West Concourse

Hours

Saturday	7:00 a.m. - 5:30 p.m.
Sunday	7:00 a.m. - 5:30 p.m.
Monday	7:00 a.m. - 5:30 p.m. (store closed 11:00 a.m. - 3:00 p.m.)
Tuesday	7:30 a.m. - 5:30 p.m. (store closed 11:00 a.m. - 3:00 p.m.)
Wednesday	7:30 a.m. - 5:15 p.m. (store closed 11:00 a.m. - 2:00 p.m.)
Thursday	8:30 am - 3:15 p.m.

ASHP Store and Resource Center West Hall A3, B1 & B3, Level 2, Booth #1161

Hours

Monday–Tuesday	11:00 a.m. - 3:00 p.m.
Wednesday	11:00 a.m. - 2:00 p.m.

Business and Social Functions

A listing of functions, including published alumni and exhibitor events, and their locations is available on the Midyear meeting website, ASHP LIVE! app, and meeting registration bags. These functions are scheduled in conjunction with the Midyear meeting and are not part of the official ASHP program. Questions related to these functions can be directed to the company or organization listed.

Business Center – FedEx Office

West C Lobby, Level 2

Email: usa3996@fedex.com

Phone: 407-363-2831

Hours Open seven days a week, 8:00 a.m. to 5:00 p.m.

continues >

CE Information Center **West A/B Lobby, Level 1**
NEED HELP PROCESSING CE? Visit the CE Information Center or email us at educserv@ashp.org.

Hours

Sunday	12:00 p.m. - 6:30 p.m.
Monday	7:00 a.m. - 6:00 p.m.
Tuesday	7:30 a.m. - 6:00 p.m.
Wednesday	7:30 a.m. - 5:15 p.m.
Thursday	8:30 a.m. - 3:15 p.m.

Coat & Baggage Check **Registration A, Level 1**
 Coats, bags, and posters can be checked during the meeting. A small fee applies to checked items.

Hours

Sunday	7:00 a.m. - 6:00 p.m.
Monday	7:00 a.m. - 6:00 p.m.
Tuesday	7:00 a.m. - 6:00 p.m.
Wednesday	7:30 a.m. - 5:30 p.m.
Thursday	8:30 a.m. - 3:30 p.m.

Consumption of Alcoholic Beverages Policy
 Attendees of the meeting should take note of the policy approved by the ASHP House of Delegates regarding the consumption of alcoholic beverages:

“That alcohol is a drug and should be used with the respect and concern afforded to any drug; that pharmacists should extend their professional obligations and responsibilities to alcohol use by individuals and themselves; that pharmacists have an obligation to ensure that, if consumed, alcohol is used only responsibly; that pharmacists, by example in their personal conduct, should foster awareness of the nature of alcohol and responsible use of alcohol by those who choose to use alcohol; and that ASHP and its members continue to support and foster impaired-pharmacists programs as a means of providing opportunities for such individuals to rehabilitate themselves.”

Exhibit Program **West Hall A3, B1 & B3, Level 2**
 Featuring some of the most innovative technologies and products, the exhibit program is a must-attend component of the Midyear Clinical Meeting. Peruse the Exhibit Hall, participate in a hands-on demonstration, and learn for yourself how these companies and their products are helping to define what is important to patient care, your practice, and your career. Build on existing relationships and make new ones with highly qualified pharmacy professionals who matter to your business.

A listing of exhibitors can be found on the ASHP LIVE! app and in the Exhibitor Yellow Pages.

Hours

Monday–Tuesday	11:00 a.m. - 3:00 p.m.
Wednesday	11:00 a.m. - 2:00 p.m.

▶ **NOTE:** You must be 16 years or older to enter the Exhibit Hall.

Educational Session Materials

Materials are available on the web-based itinerary planner and in the ASHP LIVE! app for all registered attendees. Print the materials for the sessions you plan to attend in advance and bring them with you. Handouts will not be provided in the session rooms. To access the materials online, visit www.eventscribe.com/2017/ASHP-Meeting.

NOTE: Materials will not be printable onsite.

First Aid Station **Lobby A, Level 1**

A First Aid Station is located in Med 4 on Level 1 under the escalators, adjacent to Registration A, and one level below West Hall A2. In the event of any life-threatening emergency (e.g., heart attack, stroke, or seizure), call 9-1-1. For minor injuries or non-emergencies, call the convention center’s building security at 407-685-9828 or from a house phone 5-9828.

Food Courts and Concession Stands

From barbeque, deli, burgers, and pizzas, to Greek, Chinese, French, Italian, and Japanese, to freshly prepared healthy options with locally sourced products grown in the Central Florida sunshine, the wide variety of food concepts available throughout the Orange County Convention Center’s West Concourse and Exhibit Hall (during open hours) offers something for everyone and every budget.

Future Meetings **Registration B, Level 1**

Stop by the ASHP Future Meetings area and pick up information on upcoming ASHP meetings and conferences.

Remember to mark your calendars for:



2018 ASHP Summer Meetings & Exhibition
 Denver, Colo.
 June 2–6, 2018



2018 National Pharmacy Preceptors Conference
 Dallas, Texas
 October 11–13, 2018



2018 ASHP Conference for Pharmacy Leaders
 Dallas, Texas
 October 15–16, 2018



53rd Midyear Clinical Meeting & Exhibition
 Anaheim, Calif.
 December 2–6, 2018

A special thank you to our future meeting city partners!
 See opposite page.

continues >

ANAHEIM WELCOMES ASHP

Enjoy the Anaheim Convention Center campus environment under sunny skies and palm trees. After hours, experience world class dining, entertainment and nightlife, all within walking distance at The Anaheim GardenWalk and *Downtown Disney*® District.

.....
**53rd ASHP Midyear Clinical Meeting
and Exhibition
December 2-6, 2018**
.....

Find helpful tips, discounts, maps and more to help you experience the best of Anaheim.
visitanaheim.org/ASHP



Mandalay Bay Welcomes Back ASHP in 2019

54th ASHP Midyear
Clinical Meeting and Exhibition
December 8-12, 2019


MANDALAY BAY
RESORT AND CASINO, LAS VEGAS

Guest Services Information Desks

Conveniently located in the Orange County Convention Center West Concourse, Visit Orlando maintains onsite Guest Services Information Desks with representatives staffed to answer any questions you may have regarding the Orange County Convention Center and the Orlando/Orange County area. The knowledgeable Information Desk staff look forward to assisting you with the following:

- Purchase of discount attraction tickets available only to convention delegates (Walt Disney World, SeaWorld Orlando, Universal Orlando)
- Complimentary Convention Visitors Guides, local maps, and directions
- Restaurant and attraction brochures and information
- Event activities and information
- Transportation information and arrangements (airport shuttle, I-Ride Trolley)
- And more

Hours

Saturday–Wednesday 7:30 a.m. - 5:00 p.m.

Housing (Orchid.Events) Registration A, Level 1

A representative from Orchid.Events, ASHP’s official housing company, will be available to assist registrants with hotel related matters. Registrants may also call Orchid.Events directly at 877-505-0675. Agents are available to assist Monday through Friday from 9:00 a.m. to 8:00 p.m. ET.

Hours

Saturday and Sunday 7:00 a.m. - 5:30 p.m.

Lost and Found W206 A, Level 2

Located in the ASHP Headquarters Office during meeting days/hours. Afterwards, attendees may call the Convention Center’s Building Security non-emergency line by dialing extension 5-9828 on any house phone or 407-685-9828.

Meeting Information Center West A/B Lobby, Level 1

Do you have a question about the Midyear meeting? Stop by the Meeting Information Center for the answer.

Hours

Saturday 7:00 a.m. - 5:30 p.m.

Sunday 7:00 a.m. - 6:30 p.m.

Monday 7:00 a.m. - 6:00 p.m.

Tuesday 7:30 a.m. - 6:30 p.m.

Wednesday 7:30 a.m. - 5:15 p.m.

Thursday 8:30 a.m. - 3:15 p.m.

Membership Information Center Level 2 Concourse

Pick up your member ribbons, learn more about ASHP Sections and Forums, and discover unique opportunities for networking, career growth, and continuing education, all of which will help you advance professionally. Member volunteers will also be available to answer your questions and help you make the most of your Midyear meeting experience.

NOTE: Member ribbons will be available for pickup at this location.

Hours

Saturday–Monday 7:00 a.m. - 5:30 p.m.

Tuesday 7:30 a.m. - 5:30 p.m.

Wednesday 7:30 a.m. - 5:15 p.m.

Thursday 8:30 a.m. - 3:15 p.m.

Mother’s Room Show Office WA4, Level 3

A nursing mother’s room will be available for use during the meeting. Seating will be provided, as well as power outlets.

Personnel Placement Service (PPS) West Hall A2, Level 2

PPS is the industry’s largest and most widely attended national pharmacy recruitment event. Hosting more than 3,000 pharmacy candidates and nearly 400 employers, PPS is where pharmacy residency, fellowship, and employment connections are made.



Hours

Sunday–Wednesday 7:30 a.m. - 5:00 p.m.

Photo Waiver and Release

By registering for an ASHP meeting, I understand and agree that the American Society of Health-System Pharmacists (“ASHP”) and its employees and agents have the right and permission to copyright and/or use, reuse and/or publish, and republish photographic pictures or portraits of me, recorded images of me, including recordings of my voice, in any medium, including motion picture and video images and reproductions thereof in color or black and white, made through any media by or on behalf of ASHP, for any purpose whatsoever, including the use of any printed matter in conjunction therewith.

I further waive any right to inspect or approve the finished photograph, motion picture, videotape, advertising copy, or printed matter that may be used in conjunction therewith or to the eventual use that it might be applied.

I further release, discharge, and agree to save harmless ASHP, its employees and agents, and any firm publishing and/or distributing the finished product, in whole or in part, from and against any liability as a result of any distortion, blurring, or alteration, optical illusion, or use in composite form, either intentionally or otherwise, that may occur or be produced in the taking, recording, processing, editing, or reproduction of the finished product, its publication or distribution of the same, even should the same subject me, the designated property, to ridicule, scandal, reproach, scorn, or indignity.

I further warrant that I am over eighteen years of age, or if I am not, my parent or guardian consents to my execution of this release.

Press Office W205 A, Level 2

Hours

Saturday By appointment

Sunday 9:00 a.m. - 5:00 p.m.

Monday–Wednesday 7:30 a.m - 5:00 p.m.

Thursday 7:30 a.m. - 12:00 p.m.

Promotional Theaters

Promotional theaters taking place during the meeting are informational or promotional in nature. Their content and the opinions expressed by presenters are those of the sponsors or presenters and not those of ASHP. CE credit is not offered for attendance. Promotional theaters will be held at the Orange County Convention Center. A listing of promotional theaters is available on the Midyear meeting website, ASHP LIVE! app, and meeting registration bags.

Recharging Stations

Located throughout the convention center — Network, relax, and recharge mobile phones, laptops, or any of your portable mobile devices.

Residency Showcase™

West Hall C, Level 2

For an up-to-date list of programs, visit the Residency Showcase page on the 2017 Midyear meeting website or the ASHP LIVE! app. Printed listings will be available at the showcase while supplies last. Wi-Fi is not available in the Residency Showcase.

Hours

Monday	1:00 p.m. - 4:00 p.m.
Tuesday	8:00 a.m. - 11:00 a.m. 1:00 p.m. - 4:00 p.m.

Safety and Security

As a matter of basic security sense, remember to keep your personal belongings under your control at all times. Report any suspicious persons or activities to the Convention Center security. Remember that all attendees are required to wear a 2017 Midyear meeting badge when they attend any ASHP meeting activity or session, including the Exhibit Hall, Posters, and the Residency Showcase.

Also, be sure to fill out the emergency contact information card that you will receive with your badge and place it in the badge holder. This will help ASHP staff contact someone on your behalf in the event of an emergency.

Shuttle Bus Service

Shuttle bus service will be provided Saturday, December 2, through Thursday, December 7, from official Midyear meeting hotels to the Orange County Convention Center West Concourse, except for the Hyatt Regency Orlando, Rosen Centre Hotel, Rosen Plaza, and Days Inn Convention Center/International Drive, which are within walking distance of the convention center. For a complete shuttle schedule, see page 138.

The shuttle schedule is subject to change based on usage, traffic, and weather. Please check the ASHP LIVE! app and *News & Views* for changes and updates to the schedule.

NOTE: ASHP does not provide shuttle bus service for morning or evening symposia, social events, or meetings supported by the pharmaceutical industry, universities, and other organizations.

Sorry, No Children

For health and safety considerations, children under the age of 16 are not permitted in the Exhibit Hall, Poster Sessions, Residency Showcase™, Personnel Placement Service (PPS), or sessions.

Stay Connected on Social Media

Take time to meet new peers, catch up with your colleagues, and share your Midyear meeting stories with ASHP and other meeting attendees. Here's how.

Follow #ASHP17

Stay connected to everything happening at the Midyear Clinical Meeting with #ASHP17, the official hashtag for the Midyear meeting. Don't forget to tag your tweets, photos, and videos with the hashtag so others can follow along with your experiences on Twitter, Facebook, Instagram, and Snapchat.

Like Us on Facebook



Like us on Facebook (facebook.com/ASHPOfficial). We'll be posting photos and updates here. Also, join the Midyear Meeting Facebook Event on the Events tab to connect with other meeting attendees and post your photos on our wall.

Join ASHP Connect



Join the ASHP Connect community, connect. ashp.org/. Connect is a platform for you to share your experiences and engage in meeting-related discussions with other ASHP members and your professional colleagues — and it's free!

Win Daily Prizes



Want to win some cool prizes? Tap into your competitive side and follow @ASHPOfficial on Twitter for more info on how you can take part in our Twitter contests. And watch for @ASHPOfficial's clues for our cuddly Bear Hunt. You can't win if you don't play!

Download the Free App, ASHP LIVE!



Create your own personal agenda for the Midyear meeting in just a few taps. Learn about sponsors and exhibitors, and navigate your way through the meeting. Earn points for your participation.

Speaker Preview Room

W306 A, Level 3

The Speaker Preview Room has computers available for presenters who want to preview their slides prior to their presentation.

Hours

Saturday–Wednesday	7:00 a.m. - 5:00 p.m.
Thursday	

Free Wi-Fi

Complimentary Wi-Fi access is available in the convention center meeting rooms and public areas, as well as PPS.

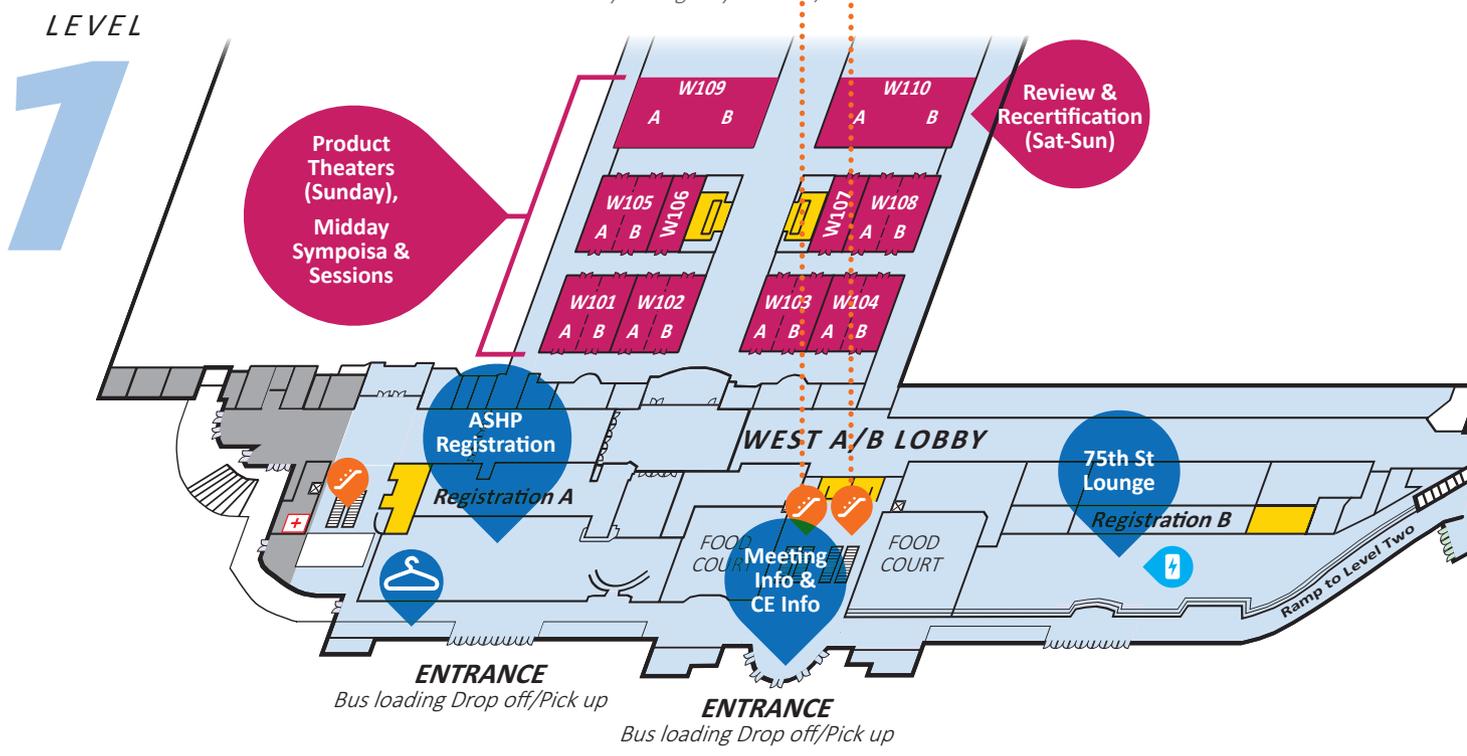
Select the network **ASHP** on your device and use password **Orlando2017**.

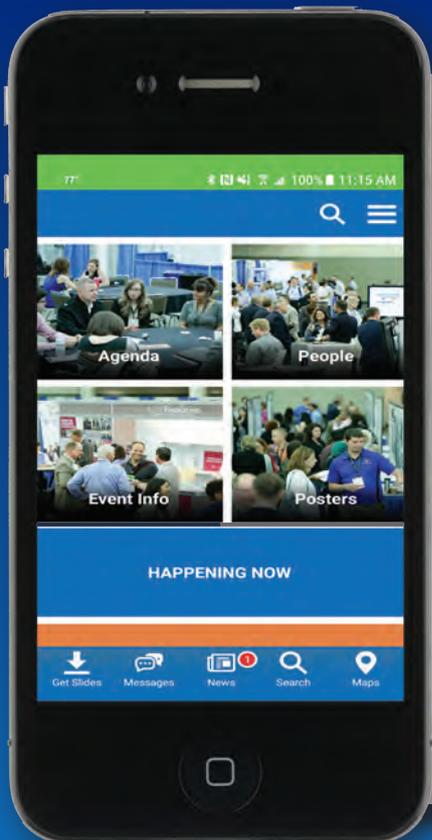
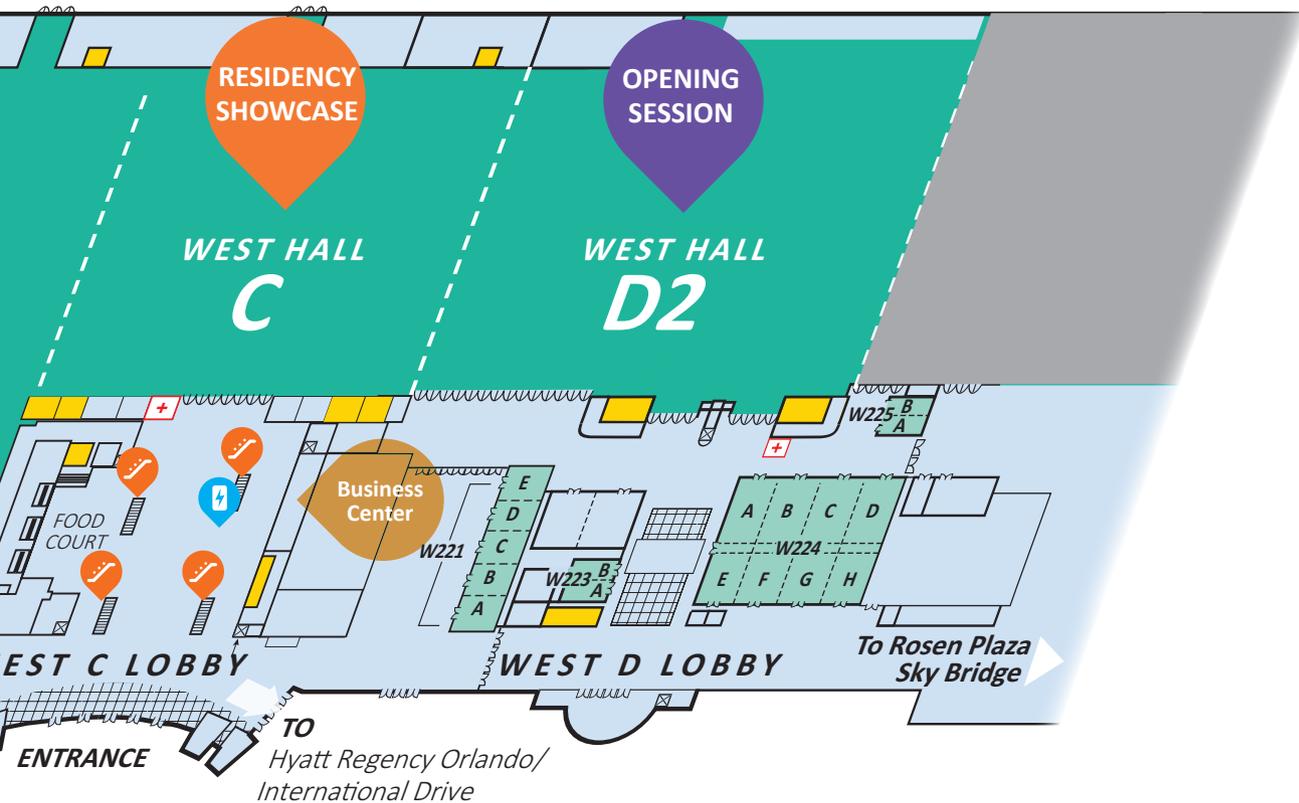
ORANGE COUNTY CONVENTION CENTER WEST CONCOURSE

-  Educational Session
-  Escalator
-  Rest Room
-  Recharging Station



PEDESTRIAN BRIDGE
To Hyatt Regency Orlando/Hilton





INTRODUCING THE NEW ASHP LIVE! APP



- Create your own schedule and explore detailed session and event info
- Browse presenter, poster, and attendee listings
- Access session materials and take notes directly on the slides
- Receive important updates and announcements
- Network and interact with your peers



ASHP LIVE! Sponsored by



ORANGE COUNTY CONVENTION CENTER WEST CONCOURSE CONTINUED

- Educational Session
- ⤴ Escalator
- Rest Room
- ⚡ Recharging Station

LEVEL

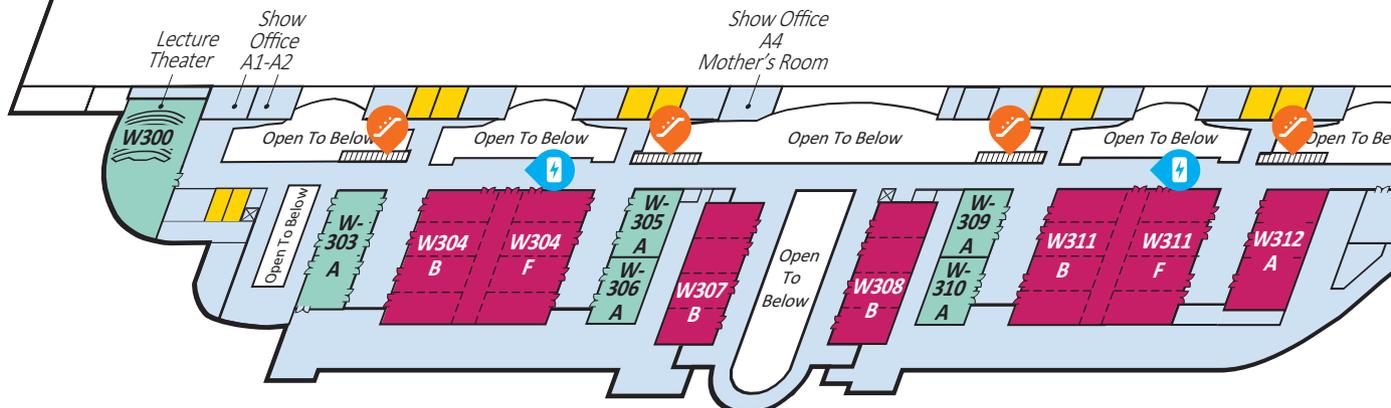
4

EXHIBITION HALLS BELOW

LEVEL

3

EXHIBITION HALLS BELOW





FREE WI-FI

Complimentary Wi-Fi access is available in the convention center meeting rooms and public areas, as well as PPS.

Select the network **ASHP** on your device and use password **Orlando2017**.



FOLLOW

#ASHP17

Stay connected to everything happening at the Midyear Clinical Meeting with #ASHP17, the official hashtag for the Midyear meeting. Don't forget to tag your tweets, photos, and videos with the hashtag so others can follow along with your experiences on Twitter, Facebook, Instagram, and Snapchat.






EDUCATION INFORMATION

ACPE Accreditation



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

Some states have special criteria for program content to meet their requirements for continuing education. Check with your state to determine if such requirements exist and to determine which Midyear Clinical Meeting educational sessions meet those requirements.

● Pharmacists

ASHP determines the number of contact hours for each session. Registrants may earn up to 30 contact hours (3.0 CEUs) at ASHP's 52nd Midyear Clinical Meeting.

● Pharmacy Technicians

Sessions specifically designed for pharmacy technicians are designated with a "T" following the ACPE number. For information on pharmacy technician certification and continuing education requirements, contact PTCB at 800-363-8012 or contact@ptcb.org.

Educational Objectives

The 2017 Midyear Clinical Meeting educational sessions are developed to maintain and enhance the knowledge, skills, and competence of pharmacists and technicians in acute and ambulatory settings. Through skill-building and active participation, the educational goal of this meeting is to provide information and instruction on a variety of topics to enable pharmacy practitioners to provide quality patient care.

Target Audience

Educational activities are planned and structured to meet either the knowledge-based or application-based educational needs of pharmacists and pharmacy technicians in a variety of settings. This includes those practicing in large and small hospitals, managed care facilities, ambulatory care settings, inpatient facilities, outpatient clinics, and homecare settings, as well as in academia and the pharmaceutical industry.

Continuing Pharmacy Education

In accordance with ACPE's Accreditation Standards for Continuing Pharmacy Education, ASHP fully supports the following:

● Definition of Continuing Education

Continuing pharmacy education for the profession of pharmacy is a structured educational activity designed or intended to support the continuing development of pharmacists and/or pharmacy technicians to maintain and enhance their competence. Continuing pharmacy education (CPE) should promote problem-solving and critical thinking, and it should be applicable to the safe practice of pharmacy.

● Active Learning

A basic principle and best practice in adult learning, active learning means interaction with faculty and other participants to improve learning, retention, and application of new knowledge and skills. Even in large sessions, faculty use participatory instructional techniques intended to engage you more fully as a learner.

● Learning Assessment and Feedback

Learning assessment and feedback are part of every activity; while participating in an activity, attendees will assess their own learning through various teaching formats and techniques.

● Activity Types

CPE activities at the 2017 Midyear Clinical Meeting are knowledge-based and application-based. Knowledge-based sessions are designed primarily for acquiring factual knowledge; application-based sessions primarily apply the information learned in the time allotted.

● Topic Designations

ACPE universal activity number topic designations are used by boards of pharmacy when a specific type of continuing pharmacy education is required for re-licensure:

- 01 Disease state management/drug therapy
- 02 AIDS therapy
- 03 Law
- 04 General pharmacy
- 05 Patient safety
- 06 Immunizations*
- 07 Compounding, sterile and non-sterile*

*New in 2017

● Evaluations

ACPE standards require us to develop and conduct evaluations for each CPE activity. Beyond this requirement, your feedback is important to us for evaluating achievement of the learning objectives, quality of faculty, effectiveness of teaching methods and materials, and perceptions of commercial bias.

● ACCME Standards for Commercial Support

ACPE has adopted the ACCME Standards for Commercial Support. These standards require separation of continuing education from commercial influence. Instructional materials for CPE activities, including presentation slides, undergo peer review to ensure compliance with the Standards for Commercial Support.

Relevant Financial Relationships Disclosure Statements

Presenters, program chairs, planners, reviewers, ASHP staff, and others with an opportunity to control CE content, are required to disclose financial relationships with commercial interests. In accordance with these standards, all actual conflicts of interest have been resolved prior to the CPE activity taking place. ASHP will disclose financial relationship information to meeting attendees in the onsite program, on the mobile app, and at the beginning of the education session. ASHP maintains disclosure information on file for six years. Poster disclosures are displayed in the lower-right corner of the poster boards.

Continuing Professional Development (CPD)

An approach to lifelong learning, continuing professional development (CPD) is a process of active participation in learning activities geared to helping individuals develop and maintain continuing competence, enhance their professional practice, and support achievement of their career goals.

CPD emphasizes self-reflection as well as educational plan development, implementation, documentation, and evaluation. Educational sessions and other activities at the meeting may form part of your own CPD plan. For more information, visit www.aacpe-accredit.org/continuing-professional-development.

Levels of Content

ASHP categorizes the educational content into the following levels:

- **General Interest:** No prior knowledge of the specific content is required.
- **Intermediate:** Basic knowledge of the specific content area is suggested, but extensive experience is not necessary.
- **Advanced:** General working knowledge of the specific content area is suggested; information will be provided to expand current expertise.

Featured Programming: Opioid Use

The 2017 Midyear Clinical Meeting is the premier place to learn better ways for managing your practice around the devastating opioid public health crisis. Education sessions addressing ways to prevent opioid misuse, treat opioid disorders, and advance better pain management strategies will be covered in over 20 hours of continuing education throughout the meeting.

Industry-Supported Symposia

ASHP Advantage, a brand of ASHP, specializes in developing customized, needs-based educational activities for pharmacists, physicians, and other healthcare professionals. You may process continuing education credit online at elearning.ashp.org for ASHP Advantage symposia presented at the ASHP Midyear Clinical Meeting.

Other industry-supported symposia have been scheduled in conjunction with the 2017 Midyear Clinical Meeting and will be held throughout the week. The symposium organizer is responsible for content, logistics, and issuing continuing education credits.

The listing is available on page 108, meeting registration bags, or visit midyear17.ashp.org for the most up-to-date information about industry-supported symposia.

Management Case Studies

Find out how your peers are meeting today's administrative challenges by discussing actual cases in pharmacy management. Each presentation focuses on one pharmacy depart-

Educational Session Materials

Materials are available on the web-based itinerary planner and in the ASHP LIVE! app for all registered attendees. Print the materials for the sessions you plan to attend in advance and bring them with you. Handouts will not be provided in the session rooms. To access the materials online, visit www.eventscribe.com/2017/ASHP-Meeting.

NOTE: Materials will not be printable onsite.

day-to-day practice and may not be widely known, understood, published, or taught. Among the categories of pearls this year are Safety and Quality, Management, Clinical, Informatics, Emergency Medicine, Pediatric, and, for students, Career Pearls, and Clinical Pearls for Students.

Posters

Poster sessions allow attendees to informally discuss current projects in pharmacy practice with colleagues. This is your opportunity to pick up ideas from hundreds of successful programs that have worked in other healthcare systems. For a listing of professional posters and scheduled times for other poster presentations, see page 111.

NOTE: *CPE credit is not offered for poster sessions, unless otherwise stated.*

Poster Mentors

Poster mentors volunteer just a few moments of their time to provide one-on-one feedback and guidance to residents and students on their projects. The insightful feedback of practicing professionals helps the students and residents become the rising stars of our profession.

Poster mentors are welcome to volunteer onsite. Please visit the poster hall on the day that you plan to volunteer or to find out more information about this important volunteer opportunity.

Audio-Synced Presentations

With so many education sessions to choose from, it used to be impossible to catch them all — but not any longer. The full-meeting registration fee includes access to all available audio-synced educational session presentations. Download the sessions you've missed online and attend at your leisure.

NOTE: *CPE credit is not available for audio-synced recordings.*

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Intensive Studies and BCOP Clinical Sessions

The Intensive Studies and BCOP Clinical Sessions are advanced-level, thought-provoking sessions that are open for all Midyear Clinical Meeting attendees. These sessions are approved by BPS to provide recertification credit. If you are board certified, be sure to purchase the package for your specialty to receive access to the recertification assessment in February 2018. To claim recertification credit, you must successfully complete the online recertification assessment. For more information, see page 34.

CE Processing

After participating in the educational activities of this meeting, attendees process and claim their CE credit online through the ASHP eLearning Portal at elearning.ashp.org. Attendees claiming their CE online will be able to view their CE statements immediately. **All attendees must complete an evaluation and claim their CE by January 31, 2018.**

NOTE: To ensure your credit hours have been transferred to CPE Monitor, verify the accuracy of your CPE Monitor profile prior to the 60-day deadline. **After 60 days, ASHP is unable to transfer your CE credit hours to CPE Monitor.**



NABP's CPE Monitor

To process CE, pharmacists and pharmacy technicians must enter an NABP e-Profile ID, birth month, and date in the eLearning Portal. After you have

entered this information, it is saved for future CE processing. You may obtain your e-Profile ID at www.nabp.net.

Florida Department of Health Continuing Education Credits

Florida-licensed pharmacists must self-report their meeting continuing pharmacy education credit hours to CE Broker. ASHP is not offering Florida Consultant Pharmacy CE at this meeting.

CE Processing Assistance

CE processing assistance is available at the CE Information Center, located in West A/B Lobby, Level 1.

Hours

Sunday	12:00 p.m. - 6:30 p.m.
Monday	7:00 a.m. - 6:00 p.m.
Tuesday	7:30 a.m. - 6:00 p.m.
Wednesday	7:30 a.m. - 5:15 p.m.
Thursday	8:30 a.m. - 3:15 p.m.

Claiming CE Credit

All continuing pharmacy education credits must be claimed within 60 days of the live session you attend. To be sure your CE is accepted inside of ACPE's 60-day window, plan to process your CE before January 31, 2018!

- 1** Login to the **ASHP eLearning Portal** at elearning.ashp.org with the email address and password that you used when registering for the Midyear. *The system validates your meeting registration to grant you access to claim credit.*
- 2** Click on **Process CE for the Midyear Clinical Meeting and Exhibition.**
- 3** Enter the Attendance Codes that were announced during the sessions and click **Submit.**
- 4** Click **Claim** for any session.
- 5** Complete the Evaluation.
- 6** Once all requirements are complete, click **Claim Credit** for the appropriate profession.
 - **Pharmacists and Pharmacy Technicians:** Be prepared to provide your NABP eProfile ID, birth month and date (required in order for ASHP to submit your credits to CPE Monitor).
 - **Others (International, students, etc.).** Select **ASHP Statement of Completion.**

Exhibitors

Exhibitors should complete the steps below first. If you encounter any issues with the process, please stop by the Meeting Information Desk onsite or email EducServ@ashp.org.

- 1** Login to www.ashp.org/ExhibitorCE with your ASHP username and password.
- 2** Click on the **Get Started** button.
- 3** Select the **2017 Midyear Clinical Meeting and Exhibition** from the dropdown menu.
- 4** Select your Exhibiting Company from the list of exhibitors. Your screen will change and you will be then be logged into the **ASHP eLearning Portal.**
- 5** Follow the instructions in the section in the left column, starting with **Step Two.**

For symposia offered by other CE providers, or BPS Specialty Review and Intensive Courses, follow the directions given with the program materials. If you have any questions, contact the program coordinator.

NEED HELP PROCESSING CE?

Visit the CE Info Center in West A/B Lobby, Level 1, or email educserv@ashp.org.

SCHEDULE-AT-A-GLANCE

NOTE: To record your Attendance Codes, see the CE Tracking Form in the back of your program.

Saturday

- Educational Sessions (CE)
- Special Events
- ASHP Board Review and Recertification Events (CE)

DEC
SATURDAY

Time	Event	Location
7:00 a.m. - 6:00 p.m.	■ Clinical Skills Competition Semi-Final Round (closed session)	W315 A, Level 3
7:30 a.m. - 6:00 p.m. <i>concurrent sessions</i>	■ Live Geriatric Pharmacy Specialty Review and Recertification Course (separate fee required)	W110 B, Level 1
	■ Live Pharmacotherapy Specialty Review and Recertification Course (separate fee required)	W110 A, Level 1
8:00 a.m. - 5:00 p.m. <i>concurrent sessions</i>	■ Residency Program Design and Conduct (RPDC): PGY1 New Programs (separate fee required)	W312 A, Level 3
	■ Residency Program Design and Conduct (RPDC): PGY1 Existing Programs (separate fee required)	W311 B, Level 3
	■ Residency Program Design and Conduct (RPDC): PGY2 New and Existing Programs (separate fee required)	W311 F, Level 3

Sunday

DEC
SUNDAY

Time	Event	Location
7:00 a.m. - 8:30 a.m.	■ Pharmacy Student Forum Advisory Group Meetings (closed session by invitation only)	
7:30 a.m. - 5:00 p.m.	■ Personnel Placement Service (PPS)	West Hall A2, Level 2
7:30 a.m. - 6:00 p.m. <i>concurrent sessions</i>	■ Live Geriatric Pharmacy Specialty Review and Recertification Course (separate fee required)	W110 B, Level 1
	■ Live Pharmacotherapy Specialty Review and Recertification Course (separate fee required)	W110 A, Level 1
8:00 a.m. - 4:30 p.m.	■ (Pre-Meeting Workshop) 340B University™ (separate registration required)	Junior Ballroom, Level 1, Rosen Centre Hotel
8:00 a.m. - 5:00 p.m.	■ (Pre-Meeting Workshop) Basic Statistics: A Nonthreatening Approach to the Use of Statistics in Clinical Trials 2017 (separate fee required)	W307 B, Level 3
8:30 a.m. - 9:30 a.m.	■ First-Time Attendee Welcome Event	Valencia W415 D, Level 4
8:30 a.m. - 10:30 a.m.	■ Innovations in Drug Information Practice and Research 2017	W204 C, Level 2
8:30 a.m. - 5:15 p.m.	Resident and New Practitioner Programming: Career Development	W304 B, Level 3
8:30 a.m. - 10:00 a.m.	■ Extinguishing the Burnout: Yourself and Your Team	
10:15 a.m. - 11:45 a.m.	■ Missed Connection: Critical Components of Effective Communication	
11:45 a.m. - 12:30 p.m.	Lunch on Own	
12:30 p.m. - 2:00 p.m.	■ Next Stop, Provider Status: Don't Miss the Train	
2:15 p.m. - 4:00 p.m.	■ Age-Defying Communication: Navigating the Generational Differences in the Pharmacy Workforce	
4:15 p.m. - 5:15 p.m.	■ Top 10 Statistical Mistakes That Make It Through Peer Review: Implications for Journal Clubs & Practice Implementation	

continues >

NOTES

Time	Event	Location
8:30 a.m. - 5:15 p.m.	Resident and New Practitioner Programming: Clinical Development	W304 F, Level 3
8:30 a.m. - 10:00 a.m.	■ New HYPertension Guidelines: Are They Worth All the HYPE?	
10:15 a.m. - 11:45 a.m.	■ Seeing Through the Smoke: Clinical Management of Medical Cannabis	
11:45 a.m. - 12:30 p.m.	Lunch on Own	
12:30 p.m. - 2:00 p.m.	■ The Next Wave: Specializing Ambulatory Care	
2:15 p.m. - 4:00 p.m.	■ Pharmacists in Pain Management — You Too Can Do It!	
4:15 p.m. - 5:15 p.m.	■ Ironing Out the Management of Anemia in Heart Failure	
8:30 a.m. - 6:30 p.m.	■ Student Programming	See listing, page 46
9:00 a.m. - 10:00 a.m.	■ Inside the VA: Multifaceted Approach to Combating the Opioid Crisis	W414 B, Level 4
9:00 a.m. - 11:30 a.m.	■ Satellite Symposia	See listing, page 108
9:30 a.m. - 11:00 a.m. <i>concurrent sessions</i>	■ Current Considerations for Meeting the ISMP Standard for Gravimetric Preparation	W209 A, Level 2
	■ Preceptors in Training: Powering Up to Precept	W208 A, Level 2
10:00 a.m. - 11:30 a.m.	■ Networking & Poster Session: Pediatrics/Neonatal/OB	West Hall C, Level 2
10:10 a.m. - 11:20 a.m.	■ First-Time Attendee Welcome Keynote	Chapin Theater W320, Level 3
10:30 a.m. - 11:30 a.m.	■ View from the Top: The Impact of The Joint Commission's Standards on Pain Management	W414 B, Level 4
11:00 a.m. - 12:30 p.m.	■ Hot Topics in USP Standards: Targeting Success with USP <797>, <795>, <800>	W204 C, Level 2
11:15 a.m. - 12:15 p.m. <i>concurrent sessions</i>	NETWORKING SESSIONS	
	■ Investigational Drug Services	W105, Level 1
	■ Preceptor Skills	W104, Level 1
	■ Revenue Cycle Management	W101, Level 1
11:30 a.m. - 1:00 p.m. <i>concurrent sessions</i>	■ Creating and Sustaining Ambulatory Care Practices for the Medically Underserved	W209 A, Level 2
	■ Teaching Continuing Professional Development: A Guide to Life-Long Learning for Pharmacist Preceptors	W208 A, Level 2
11:45 a.m. - 1:15 p.m.	■ Networking & Poster Session: Emergency Medicine	West Hall C, Level 2
12:00 p.m. - 1:00 p.m.	■ PhORCAS: How Programs Can Optimize the WebAdMIT Portal Within PhORCAS	W311 B, Level 3
12:00 p.m. - 4:30 p.m.	PROGRAMMING FOR SMALL & RURAL HOSPITAL PRACTITIONERS	W311 F, Level 3
12:00 p.m. - 1:15 p.m.	■ Small and Rural Keynote: Update on Healthcare in Rural America	
1:15 p.m. - 2:15 p.m.	■ Addressing the Standards: Meeting USP <797> Requirements in Small and Rural Hospitals	
2:30 p.m. - 3:30 p.m.	■ Pharmacist Impact on the Health of Rural Americans — Leveraging the Power of Collaborative Practice	
3:30 p.m. - 4:30 p.m.	■ The Joint Commission Update 2017: Focus on Small and Rural Hospitals	
12:30 p.m. - 1:30 p.m. <i>concurrent sessions</i>	NETWORKING SESSIONS	
	■ Clinical Leadership	W104, Level 1
	■ OR Pharmacy	W105, Level 1
	■ Opioid Use Reduction and Naloxone Discharge Dispensing	W101, Level 1
1:00 p.m. - 2:00 p.m. <i>concurrent sessions</i>	■ New and Prospective Pharmacy Technician Training Program Directors and Instructors Meeting	W207 A, Level 2
	■ Getting Started and Applying for Accreditation — Finding the Pathway and Taking the Right Steps	W312 A, Level 3

NOTES

All rooms are located in the Orange County Convention Center West Concourse unless otherwise noted.

1:00 p.m. - 2:30 p.m.	■ The ASHP Federal Forum: Welcome and Keynote	W414 B, Level 4
1:00 p.m. - 5:15 p.m.	THE ASHP 2017 FEDERAL FORUM	W414 B, Level 4*
1:00 p.m. - 1:30 p.m.	■ Welcome Event	
1:30 p.m. - 2:30 p.m.	■ Federal Forum Keynote: Leading Through Chaos — Forecasting and Strategic Planning for Pharmacy Executives	
2:30 p.m. - 3:30 p.m.	■ The Next Metamorphosis of Clinical Pharmacy: Addressing the Opioid Crisis with Academic Detailing and Data Analytics for Population Management	
*3:45 p.m. - 5:15 p.m.	■ Federal Forum: Meet the Researchers Poster Presentations 2017	West Hall B4, Level 2
1:15 p.m. - 1:45 p.m.	■ (Management Case Study) Advancing Medication Therapy Services Clinic in a Pediatric Ambulatory	W204 C, Level 2
1:30 p.m. - 3:00 p.m.	■ Networking & Poster Session: Critical Care	West Hall C, Level 2
2:00 p.m. - 2:30 p.m.	■ (Management Case Study) Changing the Pharmacy Practice Model to Advance Innovative Outcomes	W204 C, Level 2
2:00 p.m. - 3:00 p.m. <i>concurrent sessions</i>	■ Pharmacy Technician Training: What's New for 2018	W207 A, Level 2
	■ Using PharmAcademic to Support Resident Learning	W308 B, Level 3
2:00 p.m. - 3:30 p.m. <i>concurrent sessions</i>	■ This Is Going to Hurt! Current Debates in Pain Management	W208 A, Level 3
	■ Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner	W209 A, Level 2
2:00 p.m. - 5:00 p.m.	■ State Affiliate Volunteer Leaders Conference	W203 C, Level 2
2:30 p.m. - 3:30 p.m. <i>concurrent sessions</i>	NETWORKING SESSIONS	
	■ Technician Workforce	W105, Level 1
	■ Hematology/Oncology	W101, Level 1
2:45 p.m. - 3:15 p.m.	■ Infectious Diseases	W104, Level 1
	■ (Management Case Study) Implementation of a Credentialing and Privileging Process for Pharmacists Practicing under Collaborative Practice Agreements: Two Years Later	W204 C, Level 2
3:00 p.m. - 5:00 p.m.	■ Satellite Symposia	See listing, page 108
3:00 p.m. - 5:00 p.m.	■ Residency Program Directors and Preceptors Town Hall: Updates from the Commission on Credentialing	W311 B, Level 3
3:30 p.m. - 4:00 p.m.	■ (Management Case Study) Development and Outcomes of a Layered Learning Model in a Small Community Hospital	W204 C, Level 2
3:30 p.m. - 5:00 p.m.	■ Networking & Poster Session: Ambulatory Care Clinical Practice Advancement	West Hall C, Level 2
4:00 p.m. - 5:15 p.m. <i>concurrent sessions</i>	■ Are You Really Allergic to Penicillin? Effectively Managing Self-Reported Cases	W209 A, Level 2
	■ Maximizing the Impact of Pharmacists as Clinician Educators: How to Connect with and Engage Your Audience	W208 A, Level 2
4:15 p.m. - 4:45 p.m.	■ (Management Case Study) Justifying Resources for the Practice Advancement Initiative	W204 C, Level 2
5:00 p.m. - 6:30 p.m.	■ Networking Reception: LGBTQ	W202 C, Level 2
5:00 p.m. - 7:00 p.m.	■ ASHP Foundation Match for Med Safety Reception	Plaza International I, Convention Level, Hyatt Regency
5:30 p.m. - 7:00 p.m.	■ ASHP Best Practices Award Poster Reception	Orlando Ballroom, Convention Level, Hyatt Regency

NOTES

DEC 4 Monday

MONDAY

Time	Event	Location
6:00 a.m. - 8:45 a.m.	■ Satellite Symposia	See listing, page 108
6:30 a.m. - 9:00 a.m.	■ Veterans Affairs Residency Open Forum	W207 A, Level 2
7:30 a.m. - 5:00 p.m.	■ Personnel Placement Service (PPS)	West Hall A2, Level 2
9:00 a.m. - 10:30 a.m.	■ Opening Session (featuring a moderated conversation with former First Lady Michelle Obama)	West Hall D2, Level 2
10:45 a.m. - 11:45 a.m.	■ Student Posters	West Hall B4, Level 2
11:00 a.m. - 12:00 p.m.	■ Pharmacy Technician Meet-and-Greet Networking Session	W305 A, Level 3
11:00 a.m. - 3:00 p.m.	■ Exhibit Program	West Hall A3, B1 & B3, Level 2
11:15 a.m. - 12:15 p.m. <i>concurrent sessions</i>	■ ACPE Update 2017 NETWORKING SESSIONS ■ Clinical Decision Support and Analytics ■ Home Infusion ■ Shared Services in Multi-Hospital Organizations ■ Pharmacogenomics and Other Emerging Sciences ■ Pharmacy Practice Experiences ■ Psychology/Neurology ■ Women in Pharmacy Leadership	W207 A, Level 2 W314 A, Level 3 W307 B, Level 3 W308 B, Level 3 W304 F, Level 3 W312 A, Level 3 W304 B, Level 3 W311 B, Level 3
11:30 a.m. - 1:00 p.m.	■ Midday Symposia	See listing, page 108
11:30 a.m. - 5:30 p.m.	■ Student Programming	See listing, page 46
12:00 p.m. - 1:00 p.m.	■ Student Posters	West Hall B4, Level 2
12:30 p.m. - 1:30 p.m. <i>concurrent sessions</i>	ASHP-PAC Contributors Reception NETWORKING SESSIONS ■ Anticoagulation ■ Clinical Applications ■ Geriatrics ■ Innovating in Pharmacy Practice ■ Nutrition Support ■ Pain Management and Palliative Care	W202 C, Level 2 W304 F, Level 3 W314 A, Level 3 W304 B, Level 3 W308 B, Level 3 W307 B, Level 3 W312 A, Level 3
1:00 p.m. - 4:00 p.m.	■ Residency Showcase™	West Hall C, Level 2
2:00 p.m. - 2:30 p.m.	■ (Management Case Study) Strategies for Implementing a Successful Continuous Quality Assurance Monitoring Process for Charge Capture Accuracy	W204 C, Level 2
2:00 p.m. - 3:30 p.m. <i>concurrent sessions</i>	■ Breaking Down the Barriers: Removing the Fear from Feedback ■ Pharmacy Technicians: Transforming Roles to Cultivate Innovative Pharmacy Practice ■ Watch Your Dollars: Finding Value in Management of High-Cost Formulary Drugs	W208 A, Level 2 W314 A, Level 3 W312 A, Level 3

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All rooms are located in the Orange County Convention Center West Concourse unless otherwise noted.

2:00 p.m. - 3:30 p.m. <i>concurrent sessions continued</i>	■ Ghosts of the Past, Present, and Future Workflows: Drug-Drug Interaction Alert Fatigue	W307 B, Level 3
	■ Sunny Days and Seniors: When Less Is Better in Medication Management	W304 B, Level 3
	■ Focus on Naloxone: Lifesaver or Addicts' Rescue?	W209 A, Level 3
	■ Smooth Sailing: Strategic Planning to Navigate Your Pharmacy Future	Valencia W415 A, Level 4
	■ Antimicrobial Stewardship Programs: Are We Measuring Up to Our Full Potential?	Chapin Theater W320, Level 3
	■ Update on Anticoagulation Reversal	Valencia W415 D, Level 4
2:00 p.m. - 3:45 p.m. <i>concurrent sessions</i>	■ Battling the Resistance: Diuretic Challenges Across the Spectrum of Heart Failure	W414 B, Level 4
	■ Safety & Quality Pearls 2017	W311 B, Level 3
2:00 p.m. - 4:00 p.m. <i>concurrent sessions</i>	■ Gems for Success: Integrating and Managing Your Life and Career	W308 B, Level 3
	■ Joint Commission: Tackling the Top Ten Survey Risks	W304 F, Level 3
	■ Therapeutic Debates 2017	Valencia W415 C, Level 4
2:00 p.m. - 4:30 p.m.	■ Pharmacy Practice Around the Globe 2017 (Featuring the Donald E. Francke Medal Lecture)	W207 A, Level 2
2:30 p.m. - 4:00 p.m.	■ Professional Posters	West Hall B4, Level 2
2:45 p.m. - 3:15 p.m.	■ (Management Case Study) A Clinic-Based Pharmacy Technician Prior Authorization Program	W204 C, Level 2
3:30 p.m. - 4:00 p.m.	■ (Management Case Study) Impact of a Discharge Concierge Medication Delivery Service on Patient Satisfaction Scores	W204 C, Level 2
3:45 p.m. - 5:15 p.m.	■ Stop That! Sharing Decisions to Improve Care Through Patient-Centered Deprescribing	W304 B, Level 3
4:00 p.m. - 4:30 p.m.	■ Donald E. Francke Medal Lecture	W207 A, Level 2
4:00 p.m. - 5:00 p.m. <i>concurrent sessions</i>	■ What You Need to Know: Medical Apps in the Inpatient Setting	W307 B, Level 3
	■ Community Outreach to Fight the Opioid Epidemic: Highlighting the Rutgers Toolkit	W209 A, Level 2
4:00 p.m. - 5:15 p.m. <i>concurrent sessions</i>	■ Getting to the Heart of Antidiabetic Medication Safety and Efficacy	Valencia W415 A, Level 4
	■ What a QT'ie! What We Know About Drug-induced QT Prolongation in Children	W314 A, Level 3
4:15 p.m. - 4:45 p.m.	■ (Management Case Study) Patient Medication Liaisons Support Specialty Pharmacy	W204 C, Level 2
4:15 p.m. - 5:15 p.m. <i>concurrent sessions</i>	■ Let's Publish That! Best Practices to Improve Resident Research	W414 B, Level 4
	■ Marrying Structure with Function: The Impact of Novel Renal Biomarkers on Drug Therapy Use	W312 A, Level 3
	■ Medical Cannabis: Current Considerations and Implications for Pharmacists	W311 B, Level 3
	■ Improving Safety and Compliance: Standardizing Technologies Throughout the Medical Center	W308 B, Level 3
	■ Novel Approaches for Non-Antibiotic Interventions for Clostridium Difficile Stewardship	Valencia W415 D, Level 4
	■ A Call to Action: Optimizing the Electronic Health Record in Parenteral Nutrition	W208 A, Level 2
4:30 p.m. - 5:30 p.m. <i>concurrent sessions</i>	■ Community Pharmacy Residency Open Forum	W300 (Lecture Theater), Level 3
	■ Regional Residency Conference Planners Meeting	W309 A, Level 3
4:45 p.m. - 5:45 p.m.	■ International Registrants Gathering and Reception	W202 C, Level 2
5:30 p.m. - 8:00 p.m.	■ Satellite Symposia	See listing, page 108

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continues >

DEC 5 **Tuesday**

TUESDAY

Time	Event	Location
5:45 a.m. - 7:45 a.m.	■ Satellite Symposia	See listing, page 108
7:30 a.m. - 5:00 p.m.	Personnel Placement Service (PPS)	West Hall A2, Level 2
8:00 a.m. - 8:30 a.m.	■ (Management Case Study) Outpatient Antimicrobial Stewardship Opportunities Using Clinical Surveillance Technology	W204 C, Level 2
8:00 a.m. - 9:00 a.m.	■ Stop the Benzodiazepines: Identifying High-Risk Patient Populations to Successfully Taper These Medications	W315 A, Level 3
8:00 a.m. - 9:30 a.m. <i>concurrent sessions</i>	■ When the Unexpected Happens: Pharmacy's Role in Disasters	W314 A, Level 3
	■ Tomorrow and Beyond: Telemedicine Innovations Connecting Patients and Pharmacy	W207 A, Level 3
	■ Clinical Considerations: Pharmacotherapy in Extracorporeal Therapies	W307 B, Level 3
	■ Clinical Application and FDA Guidance on Interchangeability Biosimilars: An Expert Panel Presentation	W308 B, Level 3
	■ Therapeutic Strategies for Interpreting Acid-Base Status with and Without Blood Gases	Valencia W415 A, Level 4
	■ Credentialing and Privileging: Developing a Roadmap to Support Advanced Clinical Pharmacy Practice	W304 F, Level 3
	■ Guideline-Based Management of Heart Failure and Arrhythmic Complications	Valencia W415 C, Level 4
	■ Meeting the Current Challenges of 340B Practice Trends in 2017	W208 A, Level 2
8:00 a.m. - 10:00 a.m. <i>concurrent sessions</i>	■ BCOP Clinical Sessions: An Oncology Pharmacist's Guide to Bayesian Statistics	W312 A, Level 3
	■ One Year In: What New Leadership in the White House, Congress, and States Has Meant for Hospital Pharmacy	W304 B, Level 3
	■ Pharmacy Forecast 2018: Trends That Will Shape Your Future	W414 B, Level 4
	■ Chronic Obstructive Pulmonary Disease: New Approaches to an Old Problem	Valencia W415 D, Level 4
	■ Management Pearls 2017	W311 B, Level 3
	■ The Hidden Opioid Abuse Problem: Is It Geriatric Opioid Abuse or Is Grandma Really a Junkie?	W209 A, Level 3
	■ Hot Topics in Antimicrobial Stewardship	Chapin Theater W320, Level 3
8:00 a.m. - 11:00 a.m.	Residency Showcase™	West Hall C, Level 2
8:45 a.m. - 9:15 a.m.	■ (Management Case Study) Meeting Joint Commission Antimicrobial Stewardship Requirements with Limited Resources	W204 C, Level 2
9:30 a.m. - 10:00 a.m.	■ (Management Case Study) Systematic Change from Poorly Controlled Warfarin to a Direct Oral Anticoagulant Within an Established Anticoagulation Service	W204 C, Level 2
9:45 a.m. - 11:00 a.m. <i>concurrent sessions</i>	■ Addiction Is in the Genes: How Pharmacogenetics Plays a Role in Opioid Addiction	W315 A, Level 3
	■ Academic Life: The Nuts and Bolts to a Successful Faculty Career	W304 F, Level 3

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All rooms are located in the Orange County Convention Center West Concourse unless otherwise noted.

10:00 a.m. - 11:00 a.m. <i>concurrent sessions</i>	■ TRANSitioning Pharmacy Practice to Meet the Needs of the Gender Revolution	W307 B, Level 3
	■ You're on the Team! Expanding Opportunities for Pharmacists in Patient-Centered Medical Homes	W207 A, Level 3
	■ Overcoming Patient Safety Challenges Associated with Drug Shortages	Valencia W415 D, Level 4
	■ Updates in the Management of Septic Shock	Valencia W415 C, Level 4
	■ Outpatient Infusion Medication Reimbursement: Bridging the Gap Between Pharmacy and Finance	W208 A, Level 3
	■ Unique Toxicity Profiles of BiTE and Experimental T-cell Therapies: Clinical Presentation and Management	W314 A, Level 3
	■ FDA Update on Compounding	W308 B, Level 3
	■ (Late-Breaking Session) Tale of the Hurricanes: Lessons Learned for Pharmacy Practice	Valencia W415 A, Level 4
	■ Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion (repeats at 2:00 p.m. - 3:00 p.m.)	W305 A, Level 3
10:15 a.m. - 10:45 a.m.	■ (Management Case Study) Best Practice Alerts for Potentially Inappropriate Medications in Older Adults	W204 C, Level 2
10:30 a.m. - 11:00 a.m.	■ Vendor Speed Dating: Choosing the Right Partner for You and Your Organization	W209 A, Level 2
10:45 a.m. - 11:45 a.m.	■ Student Posters	West Hall B4, Level 2
11:00 a.m. - 3:00 p.m.	■ Exhibit Program	West Hall A3, B1 & B3, Level 2
11:15 a.m. - 12:15 p.m. <i>concurrent sessions</i>	NETWORKING SESSIONS	
	■ Ambulatory Care Medication Management	W311 B, Level 3
	■ Change Management	W308 B, Level 3
	■ Immunology/Transplant	W304 B, Level 3
	■ Pharmacoeconomics and Drug Policy Development	W307 B, Level 3
	■ Primary Care/Pharmacotherapy	W304 F, Level 3
	■ Small and Rural Hospitals	W312 A, Level 3
11:30 a.m. - 1:00 p.m.	■ Midday Symposia	See listing, page 108
12:00 p.m. - 1:00 p.m.	■ Student Posters	West Hall B4, Level 2
12:30 p.m. - 1:30 p.m. <i>concurrent sessions</i>	NETWORKING SESSIONS	
	■ Ambulatory Care: Building for the Future	W312 A, Level 3
	■ Cardiology	W304 B, Level 3
	■ Medication Safety	W311 B, Level 3
	■ Operations and Automation	W308 B, Level 3
1:00 p.m. - 4:00 p.m.	■ Residency Showcase™	West Hall C, Level 2
1:00 p.m. - 5:30 p.m.	■ Student Programming	See listing, page 46
2:00 p.m. - 2:30 p.m.	■ (Management Case Study) How to Flatten Your Pharmacy Budget	W204 C, Level 2
2:00 p.m. - 3:00 p.m.	■ Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion (repeated from 10:00 a.m. - 11:00 a.m.)	W305 A, Level 3



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DEC	Time	Event	Location
TUESDAY	2:00 p.m. - 3:30 p.m. <i>concurrent sessions</i>	■ Challenges in Transplantation: The Notorious DSA (Donor Specific Antibodies)	W207 A, Level 3
		■ Bariatrics: It's More Than Just Weight Loss!	W208 A, Level 3
		■ Enhancing Quality of Care: Pharmacist Clinical Documentation in an Integrated EMR System	W307 B, Level 3
		■ Clinical Conundrums in Critical Care: Best Practices Not Addressed in Guidelines	W308 B, Level 3
		■ Nonmedical Use of Prescription Opioids by Adolescents and Young Adults: Strategies for Pharmacists	W209 A, Level 3
		■ Reducing Geriatric Patient Risk at the Transition of Care from Hospital to Home	W414 B, Level 4
		■ Lead, Legislate, and Implement: Expanded Pharmacist Practice in Action	W311 B, Level 3
		■ Antimicrobial Stewardship Strategies to Reduce Hospital-Acquired Clostridium Difficile Infections	W304 F, Level 3
		■ Read My Lips: A Case-Based Approach to Managing Acute Angioedema	W304 B, Level 3
	2:30 p.m. - 4:00 p.m.	■ Professional Posters	West Hall B4, Level 2
	2:00 p.m. - 3:45 p.m.	■ Communicating Value in a Multihospital Health System: Reserving Pharmacy's Seat at the Table	W314 A, Level 3
	2:00 p.m. - 4:00 p.m. <i>concurrent sessions</i>	■ BCOP Clinical Sessions: New Oncology Drugs and Updates on the Management of Nausea and Vomiting	W312 A, Level 3
		■ 2018 Payment: A Myriad of Models	Valencia W415 A, Level 4
		■ Clinical Pearls 2017	Chapin Theater W320, Level 3
	2:45 p.m. - 3:15 p.m.	■ (Management Case Study) Formulary Standardization and Therapeutic Interchange Control Pharmaceutical Supply Costs Across a Diverse Network	W204 C, Level 2
	3:30 p.m. - 4:00 p.m.	■ (Management Case Study) Designing a Standardized Business Practice Assessment Program to Measure Policy Adherence and Compliance	W204 C, Level 2
	4:00 p.m. - 5:00 p.m. <i>concurrent sessions</i>	■ When Good Hormones Go Bad: Acute Management of Endocrine Emergencies	W207 A, Level 3
		■ Proposed Current Concepts to Improve Clinical Workflow and Gather Big Data Through Clinical Decision Support	W307 B, Level 3
■ Big Challenges for Small Patients: Update on the Management of Methicillin-resistant Staphylococcus aureus (MRSA) in Pediatrics		W209 A, Level 2	
4:00 p.m. - 5:15 p.m. <i>concurrent sessions</i>	■ Getting to Dry: Management of Acute Decompensated Heart Failure with Volume Overload	W304 B, Level 3	
	■ The Heartbreaking Killer: Women and Heart Disease	W311 B, Level 3	
	■ Know Your Risks: Measuring and Identifying Using the RIGHT Data	Valencia W415 C, Level 4	
4:15 p.m. - 4:45 p.m.	■ (Management Case Study) Synergy Through Shared Pharmacy Department Leadership in the Community Hospital Setting	W204 C, Level 2	
4:15 p.m. - 5:15 p.m. <i>concurrent sessions</i>	■ Train Your Pharmacy Technicians: Watch Them Climb the Ladder of Success	W314 A, Level 3	
	■ Implementing Pharmacy-Driven Sustainable Global Health Initiatives in Developing Countries	W208 A, Level 3	
	■ FDA Update 2017: Public Health and Regulatory Initiatives Impacting Today's Practice	W308 B, Level 3	
	■ Michael's Story of Kicking the 'H' Out of Heroin: Collaborating to Maintain His Sobriety	W414 B, Level 4	
	■ Multimodal Analgesia from ERAS to the Critically Ill: Strategies for the Clinical Pharmacist	Valencia W415 D, Level 4	

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All rooms are located in the Orange County Convention Center West Concourse unless otherwise noted.

4:30 p.m. - 5:00 p.m.	■ Student Drug Screening: Issues Faced by Pharmacy Schools and Practices in Today's Environment	W312 A, Level 3
4:30 p.m. - 5:30 p.m.	■ Managed Care Pharmacy Residency Open Forum	W224 E, Level 2
5:15 p.m. - 6:15 p.m.	■ 2017 Resident Meetup: Engage with Pharmacy's Leaders	West Hall C, Level 2
5:30 p.m. - 8:00 p.m.	■ Satellite Symposia	See listing, page 108
7:00 p.m. - close	■ Students' Night Out (time subject to change)	the groove™

DEC 5 TUE.

Wednesday

DEC 6 WEDNESDAY

Time	Event	Location
7:30 a.m. - 5:00 p.m.	Personnel Placement Service (PPS)	West Hall A2, Level 2
8:00 a.m. - 8:30 a.m.	(Management Case Study) Implementation and Evaluation of a Sterile Compounding Robot in a Cancer Center Pharmacy	W204 C, Level 2
8:00 a.m. - 9:30 a.m. <i>concurrent sessions</i>	■ Parenteral Nutrition: New Clinical Guidance for Patient Selection and Management	W207 A, Level 2
	■ Results from the 2017 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals	W312 A, Level 3
	■ Ready or Not, Here It Comes: Updates for Management of Hepatitis C Virus across Practice Settings	W314 A, Level 3
	■ 'The Christmas Story': A Successful Failure	W304 B, Level 3
	■ Managing Pain in Opioid Use Disorder: Playing with Matches or Preventing a Forest Fire?	W304 F, Level 3
	■ Emergency Medicine Pearls 2017	W311 B, Level 3
8:00 a.m. - 9:45 a.m. <i>concurrent sessions</i>	■ Hot Topics in Cardiology	Valencia W415 A, Level 4
	■ Evidence-Based Updates: Current Topics in Pediatrics	W208 A, Level 2
	■ Transitions of Care Studies: Practical Lessons to Improve Inpatient and Outpatient Communications and Reduce Hospital Re-admission Rates	W315 A, Level 3
	■ Leveraging Technology and Informatics for Antimicrobial Stewardship	W307 B, Level 3
	■ Identifying Bacteria, Viruses, and Fungi by Their Genes: Infectious Diseases Diagnostic Testing	W209 A, Level 2
■ The 2018 Joint Commission Medication Management Update	W414 B, Level 4	
8:30 a.m. - 9:30 a.m.	Student Posters	West Hall B4, Level 2
8:45 a.m. - 9:15 a.m.	■ (Management Case Study) Evaluating the Impact of a Hazardous Drug Compounding Robot on Accuracy, Efficiency, and Capacity	W204 C, Level 2
8:45 a.m. - 9:45 a.m.	■ Novel Approaches in the Management of Severe Alcohol Withdrawal	W308 B, Level 3
10:00 a.m. - 11:00 a.m.	■ Spotlight on Science It's All in the Genes: The Science Behind Customizing Patient Care	Chapin Theater W320, Level 3
	■ Resident Posters	West Hall B4, Level 2
11:00 a.m. - 2:00 p.m.	■ Exhibit Program	West Hall A3, B1 & B3, Level 2

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DEC	Time	Event	Location
9	11:15 a.m. - 12:15 p.m.	■ Resident Posters	West Hall B4, Level 2
		■ NETWORKING SESSION: Informatics Professional Development	W304 B, Level 3
WEDNESDAY	11:30 a.m. - 1:00 p.m.	Midday Symposia	See listing, page 108
	12:30 p.m. - 1:30 p.m.	■ Resident Posters	West Hall B4, Level 2
	1:45 p.m. - 2:45 p.m.	■ Resident Posters	West Hall B4, Level 2
	2:00 p.m. - 2:30 p.m. <i>concurrent sessions</i>	■ (Management Case Study) Simulation Training to Improve Patient Engagement	W204 C, Level 2
		■ (Management Case Study) Establishing an Effective Multidisciplinary Drug Diversion Reduction Committee at an Academic Medical Center	W208 A, Level 2
	2:00 p.m. - 3:30 p.m. <i>concurrent sessions</i>	■ Current Trends for Leveraging Shared Services Across the Health System	W207 A, Level 2
		■ Managing Prediabetes: Beyond the Basics	W315 A, Level 3
		■ Harmonizing Hypercholesterolemia Treatment: Focus on LDL Goal Assessment	W308 B, Level 3
		■ Developing Preceptor Skills in Management of Difficult Situations: A Case-Based Approach	W209 A, Level 2
		■ Is It All in My Head? How Brain Changes Affect Chronic Pain and Addiction	W304 B, Level 3
		■ Informatics Pearls 2017: Bytes of Informatics	W311 B, Level 3
		■ ISMP Medication Safety Update for 2018	Valencia W415 A, Level 4
	2:00 p.m. - 3:45 p.m. <i>concurrent sessions</i>	■ USP <797> Alert: React and Remediate When Something Is Growing in Your IV Room	W314 A, Level 3
		■ Using Continuing Professional Development as Your Key to Succession Planning	W312 A, Level 3
	2:45 p.m. - 3:15 p.m.	■ (Management Case Study) Implementation of a Drug Take Back Program within Outpatient Pharmacies	W204 C, Level 2
	3:00 p.m. - 4:00 p.m.	■ Resident Posters	West Hall B4, Level 2
	3:30 p.m. - 4:00 p.m.	■ (Management Case Study) Implementing a Bulk Purchase Strategy to Decrease Drug Costs in a Community Hospital	W204 C, Level 2
	3:30 p.m. - 5:00 p.m. <i>concurrent sessions</i>	■ By the Numbers: Aligning Quality with Financial Metrics	W414 B, Level 4
		■ Slim Down and Tighten Up! Inventory Management Across the Pharmacy Enterprise	W208 A, Level 2
	3:45 p.m. - 5:00 p.m.	■ Expanding Horizons: Implementation and Utilization of Pharmacogenomics in Practice	W308 B, Level 3
	4:00 p.m. - 4:30 p.m.	■ (Management Case Study) Plan-Do-Study-Act (PDSA) Methodology Enhances Documentation for Transplant Pharmacy Services	W207 A, Level 2
	4:00 p.m. - 5:00 p.m. <i>concurrent sessions</i>	■ Navigating the Regulatory Tides of Compounding	W314 A, Level 3
		■ Meeting the Challenges of Getting at Your Data: Practical Applications of RxNorm	W307 B, Level 3
		■ Vancomycin: Teaching an Old Dog New Tricks	W315 A, Level 3
		■ Engage with Your Learners: It's Time for Pharmacy Preceptors Phamily Pheud!	W209 A, Level 2
		■ Narcotics in the Emergency Room: Helpful or Harmful for Headaches?	W304 B, Level 3
	4:15 p.m. - 4:45 p.m.	■ (Management Case Study) UV-C Improves Pharmacy Air Quality and USP <797> Compliance	W204 C, Level 2
	4:30 p.m. - 5:00 p.m.	■ (Management Case Study) Evidence-Based Strategies to Support Value-Based Oncology Care	W312 A, Level 3
	7:30 p.m. - 11:30 p.m.	■ ASHP's Epic Evening Event at Universal Studios Florida™ Theme Park (ticket and meeting badge required)	Universal Studios Florida™ Theme Park

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All rooms are located in the Orange County Convention Center West Concourse unless otherwise noted.

Thursday

DEC

THURSDAY

Time	Event	Location
9:00 a.m. - 10:30 a.m. <i>concurrent sessions</i>	■ Building a Strong Foundation for Pain Management Stewardship	W207 A, Level 3
	■ Divine Interventions: Promoting Best Practices in the ICU with Safe Medication Use Guidelines	W208 A, Level 3
	■ Practice Advancement Innovations 2017: Using Outcomes Data and Leveraging for Practice Advancement	W209 A, Level 2
9:00 a.m. - 12:00 p.m.	■ Team Work Coaching: Getting Your People to Play Nice in the Sandbox and OWN Their Jobs!	W308 B, Level 3
10:30 a.m. - 12:00 p.m.	■ Accelerating Change: How to Successfully Scale and Spread Care Transition Programs	W204 C, Level 2
10:30 a.m. - 12:15 p.m.	■ I Want That! Technology Innovation 2017	W307 B, Level 3
11:00 a.m. - 12:00 p.m.	■ Pain Relief and Analgesic Grief: From the ED to ICU	W208 A, Level 2
1:00 p.m. - 2:30 p.m.	■ The Hype in Hyperglycemia: Current Considerations in Drug Selection	W209 A, Level 2
1:00 p.m. - 3:00 p.m.	■ The 1% Quest to Better Your Best: Staying Resilient & Productive!	W308 B, Level 3
1:30 p.m. - 3:00 p.m.	■ Opioids for Pain: Drug Seeking Behavior, Acute Pain Management, and Drug Monitoring Databases	W208 A, Level 2

Win a FREE REGISTRATION
to the 53rd Midyear Clinical Meeting and Exhibition!

Stay through the end of the Thursday afternoon sessions for a chance to win a free registration to next year's Midyear Clinical Meeting in Anaheim, Calif. Just drop your badge in one of the badge recycling bins located inside the session rooms on Thursday afternoon. One lucky winner will be randomly selected.

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SPECIAL EVENTS & ACTIVITIES

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

SUNDAY, DECEMBER 3

8:30 a.m. - 9:30 a.m. Valencia W415 D, Level 4

■ First-Time Attendee Welcome Event

If you are a first-time attendee, join us on Sunday morning to hear from ASHP leadership and other experienced ASHP members as they share ways to make the most of the Midyear meeting and all of the resources and opportunities for education and networking. There will be a brief address, panel discussion, and a fun icebreaker activity to help you get connected with other first-time attendees.
10:10 a.m. - 11:20 a.m. Chapin Theater W320, Level 3

■ First-Time Attendee Welcome Keynote



Featuring:
Ryan Penneau, M.Ed.
Energy is Everything

Ryan is a nationally recognized facilitator, speaker, writer and consultant on improving performance and attitude, increasing team-engagement, and organizational culture. He has served over 500 partnering organizations which have included top universities and Fortune 500 companies, and

over 8,200 individuals have completed his award winning HEART of a Leader training. Ryan is a masterful facilitator with an ability to make curriculum personally meaningful through challenge, personal coaching, and his deep ability to pull the best from each individual he works with.

In this talk, Ryan encourages attendees to be conscious of the energy they give and receive from the world around them. Energy is NOT about being loud and excited and jumping around with high fives, it is about the attitude we intentionally bring to our environment and the people in our lives. It is about creating a space for others to thrive, create and contribute in a meaningful way. This interactive session will help you define energy as it pertains to how you show up in the world, give you the tools for building stronger relationships and influence, and give yourself permission to impact the world around you personally and professionally.

1:00 p.m. - 2:30 p.m. W414 B, Level 4

■ The ASHP Federal Forum: Welcome and Keynote

Featured keynote speaker, **Lee Vermeulen, B.S.Pharm., M.S., FCCP, FFIP**, is the Chief, Enterprise Academic Service Lines University of Kentucky Health Care and Professor of Medicine and Pharmacy, University of Kentucky in Lexington, KY. He is responsible for the overall leadership and management of all clinical academic service lines at the University of Kentucky Health Care System. He is nationally recognized

as an expert in pharmacy, national drug pricing and pharmaceutical expenditure trends as well as forecasting and strategic planning. He was the 2016 recipient of the ASHP Donald E. Francke Medal.

This keynote presentation, ***Leading Through Chaos - Forecasting and Strategic Planning for Pharmacists***, will provide an educational venue for pharmacists to hear directly from a nationally renowned pharmacy leader, who will describe and discuss trends in healthcare that will affect pharmacy in the next five years. The program will emphasize the importance of strategic planning as an activity essential to the success of health-system pharmacy and the expansion of clinical practice. The session will conclude with the opportunity for audience interaction (Q&A).

For more information, see page 63.



2:00 p.m. - 5:00 p.m. W203 C, Level 2

■ State Affiliate Volunteer Leaders Conference

All state affiliate volunteer leaders (officers, board members, staff, committee chairs, committee members, etc.) are invited to participate. This year's State Affiliate Volunteer Leaders Conference is designed to provide an opportunity for state affiliate organizations to hear a nationally recognized speaker and share their ideas/practices with one another. The conference this year will focus on identifying trends and implementing creative ideas in their state organizations around those trends and provide a format to learn more, discuss and share those practices.

5:00 p.m. - 6:30 p.m. W202 C, Level 2

■ Networking Reception: LGBTQ

ASHP is hosting an LGBTQ professional networking event to provide meeting attendees the chance to gather, connect, and learn about ASHP's activities to promote LGBTQ patient-centered care.

5:00 p.m. - 7:00 p.m. Plaza International I, Convention Level, Hyatt Regency

■ ASHP Foundation Match for Med Safety Reception

Join the ASHP Foundation staff and board members to match for medication safety. One of the most important responsibilities that pharmacists have is preventing adverse drug events and ensuring medication safety for patients. The annual Match for Med Safety campaign and reception raises money for the foundation's annual fund, which supports research, traineeships, leadership training, and the devel-

continues on p32 >

■ OPENING SESSION

A Moderated Conversation with Former First Lady Michelle Obama

Michelle Robinson Obama served as First Lady of the United States from 2009 to 2017.

As a transformative First Lady, Mrs. Obama launched and led four key initiatives: **Let's Move!**, to address the challenge of childhood obesity; **Joining Forces**, to support veterans, service members, and their families; **Reach Higher**, to inspire young people to seek higher education; and **Let Girls Learn**, to help adolescent girls around the world go to school.

Before becoming First Lady, Michelle Obama attended Princeton University and Harvard Law School. She started her career as an attorney at the Chicago law firm Sidley & Austin, where she met her future husband, Barack Obama. She later worked in the Chicago mayor's office, at the University of Chicago, and at the University of Chicago Medical Center. Mrs. Obama also founded the Chicago chapter of Public Allies, an organization that prepares young people for careers in public service.

Mrs. Obama was born on January 17, 1964. She married Barack Obama in 1992. They currently live in Washington, D.C., and have two daughters, Malia and Sasha.



Paul W. Bush

■ PRESIDENTIAL ADDRESS

ASHP President **Paul W. Bush, Pharm.D., M.B.A., BCPS, FASHP**, Chief Pharmacy Officer and Health System Pharmacy Administration/MS Residency Program Director at Duke University Hospital, Durham, N.C.

■ CEO Award for Staff Excellence

Presented by ASHP CEO Paul W. Abramowitz, Pharm.D., Sc.D. (Hon.), FASHP

The CEO Award for Staff Excellence recognizes an individual staff member who, in addition to performing all of his/her normal job duties with excellence, has also demonstrated exceptional initiative in contributing to ASHP. Specifically, this award recognizes a staff member who has provided an outstanding contribution by leading or developing a project of significant value for ASHP and has demonstrated sustained excellence over time to the advancement of ASHP.

Awardees:

- **Anita Lonesome**, Senior Production Manager, Publications Production Center, Publications and Drug Information Systems Office
- **Maryam Mohassel**, Managing Editor, Manuscript Development, *AJHP*, Publications and Drug Information Systems Office



Anita Lonesome

■ Acknowledgment of the Donald E. Francke Medalist

The ASHP Board of Directors' Donald E. Francke Medal honors pharmacists who have made significant international contributions to advance pharmacy practice.

Marianne F. Ivey, Pharm.D., M.P.H., FASHP, Professor Emerita, James L. Winkle College of Pharmacy, University of Cincinnati

For more information, see page 31.



Maryam Mohassel

continues >

■ ASHP Board of Directors' Awards

ASHP Board of Directors' Distinguished Leadership Award

The ASHP Board of Directors' Distinguished Leadership Award recognizes pharmacists who have achieved excellence in pharmacy practice leadership in acute and ambulatory care settings.

Caryn Dellamorte Bing, B.S.Pharm., M.S., FASHP, Principal Consultant, CB Healthcare Consulting; ASHP Contract Surveyor, Center for Pharmacy Practice Accreditation (CPPA) Caryn Dellamorte Bing is Principal Consultant with CB Healthcare Consulting in Las Vegas and an ASHP Contract Surveyor for CPPA. She is a nationally recognized expert, author, and speaker with more than 35 years of practice and management experience in home care, specialty, and acute care pharmacy.

Ms. Bing was previously Senior Manager, Clinical Training/Clinical Services at Critical Care Systems, Inc. (CCS), a national home and ambulatory infusion and specialty pharmacy provider. During her 10 years at CCS, Ms. Bing developed and implemented clinical training programs as well as clinical standards and operations policies. She also initiated and directed five ASHP-accredited PGY1 pharmacy residency programs.

Ms. Bing also served as Vice President of Professional Services for Option Care, Inc., in Bannockburn, Ill., and as Chicago area Market Manager and Administrator for Norrell Health Care. Additionally, she was a home care surveyor for The Joint Commission and held several pharmacy leadership roles with Evangelical Health Systems (now Advocate Health Care) in Oak Brook, Ill. She completed her pharmacy residency at Rush-Presbyterian-St. Luke's Medical Center in Chicago after working as a hospital pharmacist for several years in the Chicago area.

An active volunteer for state and national pharmacy associations, Ms. Bing is a Past President of the Illinois and Nevada state affiliates and chaired the ASHP Task Force on Continuity of Care. She also served as a delegate to the ASHP House of Delegates, on the ASHP Council on Professional Affairs, and as Director-at-Large of the ASHP Section of Ambulatory Care Practitioners.

Ms. Bing has served as editor of *Extended Stability for Parenteral Drugs*, now in its sixth edition, since it was first published in 2001. She has served on editorial boards of several journals including *AJHP*, published numerous articles and book chapters, and is a frequent presenter at state and national meetings on topics related to home care and specialty pharmacy practice.

Ms. Bing was the inaugural recipient of the ASHP Section of Ambulatory Care Practitioners' Distinguished Service Award. Additionally, she is a recipient of the National Home Infusion Association Service Recognition Award and the Illinois Pharmacist Association Barcus Leadership Award. She is also a Fellow of ASHP.

Ms. Bing earned her B.S.Pharm. from the University of Illinois College of Pharmacy (UIC) and her M.S. from Rush University in Chicago.

■ ASHP Research and Education Foundation 2017 Award for Excellence in Medication Safety

Presented by Jack Tighe, Chair of the ASHP Foundation Board of Directors
Offered in partnership with the Cardinal Health Foundation.



MONDAY, DECEMBER 4

continued

opment of practice tools — all of which assist pharmacists in ensuring appropriate, safe, and effective medication use. Sponsors will match all donations dollar for dollar.

5:30 p.m. - 7:00 p.m. Orlando Ballroom, Convention Level, Hyatt Regency

■ ASHP Best Practices Award Poster Reception

This poster reception will honor the awardees of the 2017 ASHP Best Practices Award. The six awardees will present posters of programs that have been nationally recognized to demonstrate best practices in pharmacy, especially in areas that significantly improve the quality of patient care. Join us for a unique opportunity to learn about best practices and to honor the award recipients during this reception.



Awarded by ASHP and sponsored by Amgen.

11:00 a.m. - 12:00 p.m. W305 A, Level 3

■ Pharmacy Technician Meet-and-Greet Networking Session

Gather and network with fellow technicians to enhance your experience at the Midyear. “*Coming Together to Advance Our Role*” pharmacy technician networking session is hosted by the American Association of Pharmacy Technicians (AAPT).

12:30 p.m. - 1:30 p.m. W202 C, Level 2

■ ASHP-PAC Contributors Reception

2:00 p.m. - 4:30 p.m. W207 A, Level 2

■ Pharmacy Practice Around the Globe 2017

Featuring the Donald E. Francke Medal Lecture

Donald E. Francke Medalist Marianne F. Ivey presents “Global Opportunity — Pharmacists Working Together to Improve Patient Care” from 4:00 p.m. to 4:30 p.m. The educational session starts immediately prior. This session is followed by the International Registrants Gathering and Reception.

For more information, see page 71.

Donald E. Francke Medalist Marianne F. Ivey, Pharm.D., M.P.H., FASHP, is Professor Emerita, James L. Winkle College of Pharmacy at the University of Cincinnati.

She was previously Vice President for Pharmacy Services of the Health Alliance in Cincinnati and Director of Pharmacy Services at the University of Cincinnati. Prior to that, Dr. Ivey was Associate Director of Pharmacy Services at the University of Washington and Harborview Medical Center, and Associate Professor of Pharmacy at the University of Washington.

Dr. Ivey is President of the International Pharmaceutical Federation (FIP) Hospital Pharmacy Section. She has also served FIP as Vice President for the Americas and was a key contributor to the FIP Global Conference on the Future of Hospital Pharmacy.

A highly sought-after speaker, Dr. Ivey has lectured in more than a dozen countries on a variety of topics, including quality improvement, clinical outcomes, pharmacy resource management, and leadership. She has served as a mentor to both U.S. and international pharmacy students and has hosted several pharmacists from Africa through the FIP Pharmabridge program, which seeks to improve pharmacy services in low-income and emerging countries.



Dr. Ivey is a Past President of ASHP and a participant in the ASHP Foundation Visiting Leaders Program. She has served as Chair of the ASHP House of Delegates and as ASHP Treasurer. She also served on the faculty of the ASHP Research and Education Foundation Pharmacy Leadership Academy and was a member of the Center for Pharmacy Practice Accreditation (CPPA) Accreditation Process Oversight Committee.

Dr. Ivey is a member of the University of Wisconsin School of Pharmacy’s Board of Visitors, the University of Kentucky College of Pharmacy External Advisory Board, and the St. Louis College of Pharmacy President’s Advisory Council.

Dr. Ivey was a recipient of the FIP Distinguished Pharmacy Practice Award, and she has also received the Harvey A.K. Whitney Lecture Award, the Walter Frazier Leadership Award, and the John W. Webb Lecture Award. She is a Fellow of ASHP and a member of the United States Pharmacopeial Convention.

4:45 p.m. - 5:45 p.m. W202 C, Level 2

■ International Registrants Gathering and Reception

International registrants are invited to join their colleagues and friends from around the world at this special reception. It is the perfect opportunity to network and enjoy light hors d’oeuvres in a casual setting.

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75th STREET

REGISTRATION B, LEVEL 1

Come join ASHP’s 75th anniversary celebration at 75th Street, located on Level 1 of the convention center, adjacent to the main entrance.

Games, activities, and photo opportunities galore. It’s educational, informational, and, best of all, fun!



TUESDAY, DECEMBER 5

8:00 a.m. - 10:00 a.m. W414 B, Level 4

Pharmacy Forecast 2018: Trends That Will Shape Your Future

The ASHP Foundation debuts its newest issue of the *Pharmacy Forecast Report* series. This CE session will identify components of the external environment that are expected to have a major impact on hospital and health-system pharmacy practice over the next five years. Authors will also present some of the report's most important strategic recommendations, which will be helpful to pharmacists who are planning the future of their departments.

For more information, see page 78.

5:15 p.m. - 6:15 p.m. West Hall C, Level 2

2017 Resident Meetup: Engage with Pharmacy's Leaders

Residents — this event is especially for you! ASHP has arranged a unique opportunity for pharmacy residents to speak with well-known pharmacy luminaries from a wide variety of practice settings and leadership roles.

This one-hour event will allow residents access to pacesetters of the profession. To facilitate the networking experience and provide for the most engagement, pharmacy leaders associated with ASHP and the ASHP Foundation will be in designated areas. Leaders for this year's meetup are identified as part of one of the following groups:

- Whitney awardees
- ASHP and ASHP Foundation awardees
- ASHP elected and appointed leaders
- ASHP and ASHP Foundation Boards of Directors

The ASHP LIVE! app will contain a list of participant names and a map to help you navigate. We hope to see you there.

FREE WI-FI

Complimentary Wi-Fi access is available in the convention center meeting rooms and public areas, as well as PPS.

Select the network **ASHP** on your device and use password **Orlando2017**.



WEDNESDAY, DECEMBER 6

10:00 a.m. - 11:00 a.m. Chapin Theater W320, Level 3

SPOTLIGHT ON SCIENCE

It's All in the Genes: The Science Behind Customizing Patient Care

Featured Speaker: Marylyn D. Ritchie, Ph.D., M.S., B.S., Director, Biomedical and Translational Informatics Institute, Geisinger Health, Danville, Pa.

Dr. Marylyn D. Ritchie, Ph.D., is Professor and Director of the Biomedical and Translational Informatics Institute at Geisinger Health. Dr. Ritchie is a statistical and computational geneticist with a focus on understanding genetic architecture of complex human disease. Dr. Ritchie has a PhD in Human Genetics and a Master's degree in Applied Statistics,



both from Vanderbilt University. She has expertise in developing novel bioinformatics tools for complex analysis of big data in genetics, genomics, and clinical databases, in particular in the area of Pharmacogenomics. Dr. Ritchie has received several awards and honors including selection as a Genome Technology Rising Young Investigator in 2006, an Alfred P. Sloan Research Fellow in 2010, a KAVLI Frontiers of Science fellow by the National Academy of Science from 2011-2014, and she was named one of the most highly cited researchers in her field by Thomas Reuters in 2014. Dr. Ritchie has extensive experience in all aspects of genetic epidemiology and translational bioinformatics as it relates to human genomics. She also has extensive expertise in dealing with big data and complex analysis including GWAS, next-generation sequencing, CNVs, data integration of meta-dimensional omics data, Phenome-wide Association Studies (PheWAS), and development of data visualization approaches.

The following awards will also be presented:

- ASHP Research and Education Foundation 2017 Literature Awards
- ASHP Research and Education Foundation 2017 Award for Sustained Contributions to the Literature of Pharmacy Practice, presented to **Brian L. Erstad, Pharm.D.**, University of Arizona College of Pharmacy, Tucson, Ariz.

For more information, see page 97.

7:30 p.m. - 11:30 p.m. Universal Studios Florida™ Theme Park

ASHP's Epic Evening Event

See opposite page.



ASHP's EPIC EVENING EVENT

WEDNESDAY, DECEMBER 6
7:30 p.m. – 11:30 p.m.
Universal Studios Florida™ Theme Park



Get ready for one of the biggest parties ASHP has ever thrown, because we've reserved the entire Universal Studios Florida™ theme park just for you!

Go behind the scenes, beyond the screen, and jump right into the action of your favorite movies at Universal Studios™, the world's premier movie- and TV-based theme park.

All night long, you'll have unlimited access to the magic and excitement of The Wizarding World of Harry Potter™ – Diagon Alley™, along with incredible rides and attractions that make you the star. Experience the thrilling TRANSFORMERS™: The Ride-3D, Shrek 4-D, Hollywood Rip Ride Rockit™, MEN IN BLACK™ Alien Attack™, Revenge of the Mummy™, Despicable Me Minion Mayhem™, plus Springfield: U.S.A., where you'll find Krusty Burger, Moe's Tavern, The Simpsons Ride™, and more.

Then take it to the streets as you face all your favorite characters from NBC's *The Tonight Show* in a thrilling race through, below, and above New York City on the all-new Race Through New York Starring Jimmy Fallon™. Board the unique "flying theater" and speed through streets, soar over skyscrapers, and even dive underwater in a thrilling race to the finish line.



Badge and Ticket Information

Both a meeting badge and an event ticket are required for entrance into Universal Studios Florida™ theme park. A ticket is included in the full registration price. Additional tickets may be purchased at the Ticket Sales counter in the Registration area (Registration A, Level 1). Tickets are \$85 and must be purchased by 3:00 p.m. on Wednesday, December 6. The event ticket is also required to exchange for a \$25 gift card that may be used at participating restaurants and snack and beverage carts throughout the theme park. ASHP and Universal Studios Florida™ are not responsible for lost, stolen, or damaged gift cards. Gift cards may not be redeemed for cash. There are no refunds for this event, and event tickets are nontransferable. Must be 18 years or older.

Food and Beverage

A variety of the Universal Studios Florida™ restaurants will be open and available throughout the evening, as well as multiple snack and beverage carts. The \$25 gift card received at the entrance to the theme park may be used to purchase food and beverage at these participating restaurants and snack and beverage carts. Guests must be 21 years or older to purchase alcoholic beverages. ASHP and Universal Studios Florida™ are not responsible for lost, stolen, or damaged gift cards. Gift cards may not be redeemed for cash.

Shuttle Information

Shuttle service will be provided to and from all official Midyear meeting hotels to Universal Studios Florida™ theme park. Check the shuttle schedule for details.

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ASHP BOARD REVIEW AND RECERTIFICATION EVENTS – LIVE

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted. Separate registration fees apply to the live courses.



ASHP offers a contemporary way to prepare for a specialty pharmacy board examination and innovative, highly rated programs for board recertification. Our approach is multifaceted, scenario-based, and interactive – the opposite of the didactic learning norm. Our board review and recertification programs will have an immediate and lasting impact on your practice.

For Review and Recertification

**SATURDAY and SUNDAY,
DECEMBER 2-3**

7:30 a.m. - 6:00 p.m.

W110 B, Level 1

■ Live Geriatric Pharmacy Specialty Review and Recertification Course

This two-day course provides a robust curriculum for the high-level pharmacy professional who is either planning to take the certification examination or seeking recertification credit.

Course participants follow fictional patients in real-life scenarios, including initial presentation, medical history, risk factors, and complications throughout their treatments and outcomes. Participants learn as they apply various treatment options based on national standards and guidelines. Strong emphasis is placed on the thought processes needed to solve patient care problems in each therapeutic area. As patient cases are discussed, faculty members answer your questions to illustrate key concepts.

Highlights of the ASHP review course include the following:

- Interesting, application-based review course approach using complex, case-based interactive learning for high-level practitioners and specialists
- Coverage of health-related problems and socioeconomic factors
- Educational materials that can be downloaded and printed in advance as well as a practice test containing more than 100 practice questions with explained answers and references
- Core Therapeutic Module for home study, covering statistics, evidence-based medicine, and research design
- “Chapter 3, Biomedical Principles of Aging” by Lisa C. Hutchison from *Fundamentals of Geriatric Pharmacotherapy, 2nd Edition*, for home study prior to the course
- Comprehensive coverage for exam preparation in only two days, saving you time away from work and home, and drastically reducing travel expenses

You must select either the **Basic Review Course**, the **Premium Review Package**, or the **Recertification Package**:

- **Basic Review Course:** includes live course with educational

materials (PDF), Core Therapeutic Module* covering statistics, pre-meeting reading materials,** and practice exam

- **Premium Review Package (BEST VALUE):** includes live course with educational materials (PDF), Core Therapeutic Module* covering statistics, pre-meeting reading materials,** recorded course, ASHP’s *Fundamentals of Geriatric Pharmacotherapy, 2nd Edition* (print or ebook), and practice exam
- **Recertification Package:** includes live course with educational materials (PDF), recorded course, Core Therapeutic Module covering statistics, pre-meeting reading materials,** and recertification assessment.

* *Core Therapeutic Modules are on-demand, web-based activities that help identify knowledge gaps on various topics or disease states.*

***Pre-meeting reading materials: Prior to the live event, ASHP will provide all attendees with a PDF of Chapter 3 from Fundamentals of Geriatric Pharmacotherapy, 2nd Edition.*

This course is eligible for up to 16 hours of recertification credit after successful completion of an online assessment, which will be available in February 2018.

For more information and to register, visit www.ashp.org/boardreview2017.

7:30 a.m. - 6:00 p.m.

W110 A, Level 1

■ Live Pharmacotherapy Specialty Review and Recertification Course

This two-day course provides a robust curriculum for the high-level pharmacy professional who is either planning to take the certification examination or seeking recertification credit.

Course participants follow fictional patients in real-life scenarios, including initial presentation, medical history, risk factors, and complications throughout their treatments and outcomes. Participants learn as they apply various treatment options based on national standards and guidelines. Strong emphasis is placed on the thought processes needed to solve patient care problems in each therapeutic area. As patient cases are discussed, faculty members answer your questions to illustrate key concepts.

Highlights of the ASHP review course include the following:

- Interesting, application-based review course approach using complex, case-based interactive learning for high-level practitioners and specialists
- System-Based Standards and Population-Based Pharmacotherapy, which accounts for 20% of the updated BCPS exam

- Coverage of public health and patient advocacy information in every topic area
- Educational materials that can be downloaded and printed in advance as well as a practice test containing more than 100 practice questions with explained answers and references
- Comprehensive coverage for exam preparation in only two days, saving you time away from work and home, and drastically reducing travel expenses

You must select either the **Basic Review Course**, the **Premium Review Package**, or the **Recertification Package**:

- **Basic Review Course**: includes live course with educational materials (PDF) and practice exam
- **Premium Review Package (BEST VALUE)**: includes live course with educational materials (PDF), recorded course, Core Therapeutic Module package,* and practice exam
- **Recertification Package**: includes live course with educational materials (PDF), recorded course, and recertification assessment (for those seeking BPS recertification credit only)

* *Core Therapeutic Modules are on-demand, web-based activities that help identify knowledge gaps on various topics or disease states.*

This course is eligible for up to 16 hours of recertification credit after successful completion of an online assessment, which will be available in February 2018.

For more information and to register, visit www.ashp.org/boardreview2017.

Live Intensive Study and BCOP Clinical Sessions Packages

This year, the sessions will be held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit.

If you are currently enrolled in the three-year recertification plan or the Review and Recertification Reward Program (RRRP), the Intensive Study Package is already included in your subscription.

Please note that the BCOP Clinical Sessions are a repeat of the sessions presented in October 2017 at the ACCP Annual Meeting. Learners may claim credit only once. BCOP Clinical Sessions, while named differently, follow the same format as the Live Intensive Studies.

For pharmacists who maintain more than one certification, some of these sessions provide credit for more than one specialty.

Ambulatory Care Pharmacy Intensive Studies Package

6.00

Hours of Recertification Credit

INTEGRATED SESSION

FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 7, 2018 to August 8, 2018.

The BCACP recertification activities are developed in partnership between ASHP and the American Pharmacists Association (APhA).

Sessions included in the Ambulatory Care Intensive Studies package include the following:

SUNDAY, DECEMBER 3

2:00 p.m. - 3:30 p.m.

W209 A, Level 2

Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Rather than simply describe new standards or ways to mitigate the latest medication safety risks, this session is designed to provide practical information on medication safety best practices that clinical pharmacists across all specialties can immediately apply to their practice. A medication safety expert is teamed with a frontline clinical pharmacy specialist to provide two distinct perspectives. Attendees will be challenged with case-based questions highlighting important medication safety principles. Medication safety topics will include high reliability, root cause analysis, and alert fatigue management.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

MONDAY, DECEMBER 4

4:15 p.m. - 5:15 p.m.

W311 B, Level 3

Medical Cannabis: Current Considerations and Implications for Pharmacists

Recertification Credit for: BCACP

The legalization of cannabis in more than half of the United States is creating a shift in societal and clinical norms. Because of the potential risks of cannabis along with its current status as a Schedule 1 drug, many pharmacists feel inadequately

continues >

prepared to discuss medical use of cannabis with patients. This session will use an evidence-based approach to provide pharmacists with the appropriate knowledge and skills to discuss cannabis use with patients. The speakers will provide a review of the current legal landscape so that pharmacists can consider health-system policy implications and use by patients in states where medical marijuana has been legalized. In addition, studies of the safety and effectiveness of cannabis will be evaluated. Using audience-response technology, attendees will be challenged to participate in the decision making process in individual patient case scenarios.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) recertification credit.

TUESDAY, DECEMBER 5

8:00 a.m. - 10:00 a.m. Valencia W415 D, Level 4

■ Chronic Obstructive Pulmonary Disease: New Approaches to an Old Problem

Recertification Credit for: BCACP, BCPS

The large number of new monotherapy and combination FDA-approved agents for managing chronic obstructive pulmonary disease (COPD) has resulted in questions of where and when to use these therapies. This interactive, case-based session will provide practical approaches to assessing and managing patients with COPD in order to achieve reductions in morbidity and mortality. A focused approach from both the inpatient and outpatient sides of COPD management will be a key highlight of this session. The incorporation of real-world cases will allow the participants to leave this session with practical skills they can immediately incorporate into their practice.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

2:00 p.m. - 3:30 p.m. W209 A, Level 2

■ Nonmedical Use of Prescription Opioids by Adolescents and Young Adults: Strategies for Pharmacists

Recertification Credit for: BCACP, BCPPS

Nonmedical prescription opioid misuse is a significant problem in the United States. As the medication experts, pharmacists are uniquely equipped to recognize symptoms of opioid use disorder, withdrawal, and overdose, as well as to manage patients requiring detoxification and medication-assisted recovery. This session is designed to educate pediatric and ambulatory care pharmacists to identify risk and protective factors for opioid misuse and to use universal, evidence-based screening techniques for opioid use disorder. Using real-world examples and audience-response technology, the faculty will challenge attendees to participate in the decision-making process of managing patients with opioid use disorder. Attendees will leave the session with specific strategies that can be implemented in their practice.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pediatric Pharmacy Specialist (BCPPS) recertification credit.

Critical Care Pharmacy Intensive Studies Package

4.00

Hours of Recertification Credit

INTEGRATED SESSION

FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 7, 2018 to August 8, 2018.

Sessions included in the Critical Care Intensive Studies package include the following:

SUNDAY, DECEMBER 3

2:00 p.m. - 3:30 p.m. W209 A, Level 2

■ Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Rather than simply describe new standards or ways to mitigate the latest medication safety risks, this session is designed to provide practical information on medication safety best practices that clinical pharmacists across all specialties can immediately apply to their practice. A medication safety expert is teamed with a frontline clinical pharmacy specialist to provide two distinct perspectives. Attendees will be challenged with case-based questions highlighting important medication safety principles. Medication safety topics will include high reliability, root cause analysis, and alert fatigue management.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

MONDAY, DECEMBER 4

2:00 p.m. - 3:30 p.m. Valencia W415 D, Level 4

■ Update on Anticoagulation Reversal

Recertification Credit for: BCCCP, BCPS

New anticoagulants have become first-line therapy for many indications, resulting in the need for reversal strategies for patients managed with these agents. Patients with life-threatening bleeding or urgent surgical intervention require timely reversal of their anticoagulation therapy. While many pharmacists are experienced with reversing warfarin or heparin anticoagulation, they may have little experience reversing actions of newer anticoagulants or using recently

approved reversal agents. This case-based, interactive session will challenge participants to make drug therapy and monitoring decisions in different patient scenarios, including urgent surgical patients, trauma patients, medical patients, and neurological patients.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

TUESDAY, DECEMBER 5

10:00 a.m. - 11:00 a.m. Valencia W415 D, Level 4

Overcoming Patient Safety Challenges Associated with Drug Shortages

Recertification Credit for: BCCCP, BCPS

This interactive session will examine the impact of drug shortages on medication safety, focusing on the importance of the involvement of clinical pharmacists in drug shortage management activities. Faculty for this session are nationally recognized leaders in medication safety and drug shortage management. Through the use of audience-response technology, attendees will be encouraged to actively participate in real-life drug shortage scenarios to ensure that they are able to apply newly acquired skills upon return to their practice.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Geriatric Pharmacy Intensive Studies Package

INTEGRATED SESSION

FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 7, 2018 to August 8, 2018.

5.00

Hours of
Recertification
Credit

Sessions included in the Geriatric Pharmacy Intensive Studies package include the following:

SUNDAY, DECEMBER 3

2:00 p.m. - 3:30 p.m. W209 A, Level 2

Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Rather than simply describe new standards or ways to mitigate the latest medication safety risks, this session is designed

to provide practical information on medication safety best practices that clinical pharmacists across all specialties can immediately apply to their practice. A medication safety expert is teamed with a frontline clinical pharmacy specialist to provide two distinct perspectives. Attendees will be challenged with case-based questions highlighting important medication safety principles. Medication safety topics will include high reliability, root cause analysis, and alert fatigue management.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

TUESDAY, DECEMBER 5

8:00 a.m. - 10:00 a.m. W209 A, Level 2

The Hidden Opioid Abuse Problem: Is It Geriatric Opioid Abuse or Is Grandma Really a Junkie?

Recertification Credit for: BCGP

Geriatric opioid abuse (GOA) is one of the fastest growing health problems in this country, yet it is a silent epidemic, which makes it difficult to diagnose and treat. This activity is designed to explain the prevalence of GOA and the intricacies that make it more difficult to screen for and monitor in the elderly population. The effects of aging and common comorbidities on the pharmacokinetics and pharmacodynamics of opioid medications and opioid receptors will also be presented. Through the use of interactive patient case scenarios, attendees will have the opportunity to participate in the decision-making process regarding opioid abuse in geriatric patients.

This activity is approved for Board Certified Geriatric Pharmacist (BCGP) recertification credit.

2:00 p.m. - 3:30 p.m. W414 B, Level 4

Reducing Geriatric Patient Risk at the Transition of Care from Hospital to Home

Recertification Credit for: BCGP

Clinical pharmacists are trained to identify adverse events and implement interventions during the transition of care for geriatric patients from hospital to home. This activity is designed to provide pharmacists with tools to incorporate a transitional care management (TCM) workflow, using criteria for billing TCM codes, into their practice. Attendees will review current research and clinical patient cases regarding medications that increase the risk of adverse events post-hospital discharge and will use medication assessment tools to learn how to prevent these adverse drug events.

This activity is approved for Board Certified Geriatric Pharmacist (BCGP) recertification credit.

Pediatric Pharmacy Intensive Studies Package

4.00

INTEGRATED SESSION

FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 7, 2018 to August 8, 2018.

Hours of Recertification Credit

Sessions included in the Pediatric Pharmacy Intensive Studies package include the following:

SUNDAY, DECEMBER 3

2:00 p.m. - 3:30 p.m. W209 A, Level 2

Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Rather than simply describe new standards or ways to mitigate the latest medication safety risks, this session is designed to provide practical information on medication safety best practices that clinical pharmacists across all specialties can immediately apply to their practice. A medication safety expert is teamed with a frontline clinical pharmacy specialist to provide two distinct perspectives. Attendees will be challenged with case-based questions highlighting important medication safety principles. Medication safety topics will include high reliability, root cause analysis, and alert fatigue management.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS), recertification credit.

CE WITHIN 60

All attendees must claim their CE credits ONLINE WITHIN 60 DAYS of the sessions they attended.

TUESDAY, DECEMBER 5

2:00 p.m. - 3:30 p.m. W209 A, Level 2

Nonmedical Use of Prescription Opioids by Adolescents and Young Adults: Strategies for Pharmacists

Recertification Credit for: BCACP, BCPPS

Nonmedical prescription opioid misuse is a significant problem in the United States. As the medication experts, pharmacists are uniquely equipped to recognize symptoms of opioid use disorder, withdrawal, and overdose, as well as to manage patients requiring detoxification and medication-assisted recovery. This session is designed to educate pediatric and ambulatory care pharmacists to identify risk and protective factors for opioid misuse and to use universal, evidence-based screening techniques for opioid use disorder. Using real-world examples and audience-response technology, the faculty will challenge attendees to participate in the decision-making process of managing patients with opioid use disorder. Attendees will leave the session with specific strategies that can be implemented in their practice.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pediatric Pharmacy Specialist (BCPPS) recertification credit.

4:00 p.m. - 5:00 p.m. W209 A, Level 2

Big Challenges for Small Patients: Update on the Management of Methicillin-Resistant Staphylococcus Aureus (MRSA) in Pediatrics

Recertification Credit for: BCPPS

With the increasing prevalence of healthcare-associated and community-associated methicillin-resistant *Staphylococcus aureus* (MRSA) infections in pediatric patients, providers must stay abreast of therapy recommendations. Knowledge of optimal antistaphylococcal agents and treatment in this population is necessary to promote positive patient outcomes. However, limited data are available for optimal therapy in pediatric patients, and consensus is often lacking regarding the appropriate antibiotic selection or monitoring. Many recommendations stem from extrapolated information based on adult data. This session is designed to guide advanced pharmacy practitioners in evaluating available information on the medications used in the management of MRSA infections in pediatric patients. Through the use of interactive patient case scenarios, attendees will have the opportunity to select the appropriate agent and dose, taking into account pharmacokinetic and adverse effect considerations.

This activity is approved for Board Certified Pediatric Pharmacy Specialist (BCPPS) recertification credit.

Pharmacotherapy Intensive Studies Package

INTEGRATED SESSION

FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 7, 2018 to August 8, 2018.

6.00

Hours of Recertification Credit

Sessions included in the Pharmacotherapy Intensive Studies package include the following:

SUNDAY, DECEMBER 3

2:00 p.m. - 3:30 p.m.

W209 A, Level 2

■ Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Rather than simply describe new standards or ways to mitigate the latest medication safety risks, this session is designed to provide practical information on medication safety best practices that clinical pharmacists across all specialties can immediately apply to their practice. A medication safety expert is teamed with a frontline clinical pharmacy specialist to provide two distinct perspectives. Attendees will be challenged with case-based questions highlighting important medication safety principles. Medication safety topics will include high reliability, root cause analysis, and alert fatigue management.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

MONDAY, DECEMBER 4

2:00 p.m. - 3:30 p.m.

Valencia W415 D, Level 4

■ Update on Anticoagulation Reversal

Recertification Credit for: BCCCP, BCPS

New anticoagulants have become first-line therapy for many indications, resulting in the need for reversal strategies for patients managed with these agents. Patients with life-threatening bleeding or urgent surgical intervention require timely reversal of their anticoagulation therapy.

While many pharmacists are experienced with reversing warfarin or heparin anticoagulation, they may have little experience reversing actions of newer anticoagulants or using recently approved reversal agents. This case-based, interactive session will challenge participants to make drug therapy and monitoring decisions in different patient scenarios, including urgent surgical patients, trauma patients, medical patients, and neurological patients.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

TUESDAY, DECEMBER 5

8:00 a.m. - 10:00 a.m.

Valencia W415 D, Level 4

■ Chronic Obstructive Pulmonary Disease: New Approaches to an Old Problem

Recertification Credit for: BCACP, BCPS

The large number of new monotherapy and combination FDA-approved agents for managing chronic obstructive pulmonary disease (COPD) has resulted in questions of where and when to use these therapies. This interactive, case-based session will provide practical approaches to assessing and managing patients with COPD in order to achieve reductions in morbidity and mortality. A focused approach from both the inpatient and outpatient sides of COPD management will be a key highlight of this session. The incorporation of real-world cases will allow the participants to leave this session with practical skills they can immediately incorporate into their practice.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

10:00 a.m. - 11:00 a.m.

Valencia W415 D, Level 4

■ Overcoming Patient Safety Challenges Associated with Drug Shortages

Recertification Credit for: BCCCP, BCPS

This interactive session will examine the impact of drug shortages on medication safety, focusing on the importance of the involvement of clinical pharmacists in drug shortage management activities. Faculty for this session are nationally recognized leaders in medication safety and drug shortage management. Through the use of audience-response technology, attendees will be encouraged to actively participate in real-life drug shortage scenarios to ensure that they are able to apply newly acquired skills upon return to their practice.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

BCOP Clinical Sessions

INTEGRATED SESSION

FORMAT: The sessions are held on Tuesday during the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions.

However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment that is currently available.

Please note that the BCOP Clinical Sessions are a repeat of the sessions presented in October 2017 at the ACCP Annual Meeting. Attendees may claim credit only once. BCOP Clinical Sessions, while named differently, follow the same format as the Live Intensive Studies.

BCOP recertification activities are developed in partnership between ASHP and the American College of Clinical Pharmacy (ACCP).

4.00

**Hours of
Recertification
Credit**

Sessions included in the BCOP Clinical Sessions package include the following:

TUESDAY, DECEMBER 5

8:00 a.m. - 10:00 a.m. W312 A, Level 3

BCOP Clinical Sessions: An Oncology Pharmacist’s Guide to Bayesian Statistics

Recertification Credit for: BCOP

The ACCP/ASHP BCOP Clinical Sessions explore cutting-edge and contemporary therapeutic topics. Faculty will discuss Bayesian statistical methods and the application in oncology-related clinical studies. Through active learning, participants will interpret and evaluate clinical studies to determine statistical inferences in the oncology literature.

This activity is approved for Board Certified Oncology Pharmacist (BCOP) recertification credit.

2:00 p.m. - 4:00 p.m. W312 A, Level 3

BCOP Clinical Sessions: New Oncology Drugs and Updates on the Management of Nausea and Vomiting

Recertification Credit for: BCOP

The ACCP/ASHP BCOP Clinical Sessions explore cutting-edge and contemporary therapeutic topics. The 2017 BCOP Clinical Sessions focus on new oncology drugs released in the last 12 months and updates in the management of nausea and vomiting.

This activity is approved for Board Certified Oncology Pharmacist (BCOP) recertification credit.

For additional information, visit www.ashp.org/boardreview2017.

FREE Board Review Materials for Residents and New Practitioners

**Ambulatory Care Pharmacy*
Critical Care Pharmacy
Geriatric Pharmacy | Pediatric Pharmacy
Pharmacotherapy**

ASHP’s Review and Recertification Reward Program (RRRP)

NO-COST EXAM PREPARATION MATERIAL

The RRRP includes:

- Free access to the online, home-study course
- Free access to the Core Therapeutic Module package
- Free access to the Practice Exam

ACCESS TO ASHP’S ONLINE CATALOG OF RECERTIFICATION ACTIVITIES

For just \$10 per month during the initial 7-year recertification cycle, you will have access to the entire online catalog of recertification activities for your specialty. This price will never increase.

For program details, visit www.ashp.org/rrrp



*Ambulatory Care Pharmacy programs are developed in partnership with the American Pharmacists Association (APhA).

THE RRRP IS AN ASHP MEMBER-ONLY BENEFIT.

PRE-MEETING WORKSHOPS

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

Unless otherwise noted, the following applies to all workshops:

- Onsite registration may be available, space permitting. If onsite registration is available for a particular workshop, proceed to Attendee Onsite Registration.
- Lunch is included for all **full-day** workshops unless otherwise noted.
- Workshops are not audio-recorded.

SATURDAY, DECEMBER 2

8:00 a.m. - 5:00 p.m.

Residency Program Design and Conduct (RPDC)

Onsite Workshop Fee: \$530 (*space permitting*)

NOTE: CE credit will not be offered for this workshop. In this workshop, attendees will review accreditation standards for the design and conduct of a residency program, including requirements related to program purpose, competency areas, goals and objectives, program structure, learning experiences, orientation, use of preceptor roles, evaluation, resident development plans, and continuous residency program improvement. Attendees may bring materials from their program for review during the workshop. Take advantage of the opportunity to get your questions answered and share ideas for meeting accreditation requirements.

- **RPDC A: PGY1 New Programs** **W312 A, Level 3**
Faculty:
Margaret Chrymko, Pharm.D., M.A., B.S., FASHP, Clinical Pharmacy Specialist, Erie VA Medical Center, Erie, Pa.
Mitsi Lizer, Pharm.D., BCPP, Accreditation Services Associate, ASHP, Bethesda, Md.
Leah Smith, Pharm.D., BCGP, BCPS, Accreditation Services Associate, ASHP, Bethesda, Md.
- **RPDC B: PGY1 Existing Programs** **W311 B, Level 3**
Faculty:
Kimberly Mattox, Pharm.D., Associate Chief of Pharmacy for Clinical and Educational Programs, James A. Haley Veterans' Hospital, Tampa, Fla.
Beth Phillips, Pharm.D., BCACP, BCPS, FASHP, FCCP, Rite Aid Professor, University of Georgia, Athens, Ga.
David J. Warner, Pharm.D., Director, Center on Practice Development, ASHP, Bethesda, Md.
- **RPDC C: PGY2 New and Existing Programs** **W311 F, Level 3**
Faculty:
Susan D. Francis, Pharm.D., BCPS, Accreditation Services Associate, ASHP, Bethesda, Md.
William A. Miller, Pharm.D., M.Sc., B.Sc., FASHP, FCCP, Consultant, Charleston, S.C.
Steven Pass, Pharm.D., BCPS, FASHP, FCCM, FCCP, Professor and Vice Chair for Residency Programs, Texas Tech University Health Sciences Center School of Pharmacy, Dallas, Texas

SUNDAY, DECEMBER 3

8:00 a.m. - 4:30 p.m.

Junior Ballroom, Level 1,
Rosen Centre Hotel

■ 340B University™



Planned and offered by Apexus, the contractor awarded to manage the 340B Prime Vendor Program for Health Resources and Services Administration's Office of Pharmacy Affairs.

There is no fee to attend this workshop and Midyear meeting registration is not required.

8:00 a.m. - 5:00 p.m.

W307 B, Level 3

■ Basic Statistics: A Nonthreatening Approach to the Use of Statistics in Clinical Trials 2017

ACPE ACTIVITY #: 0204-0000-17-340-L04-P
CONTACT HOURS 7.5 | APPLICATION-BASED

Onsite Workshop Fee: \$530 (*space permitting*)

Learn how to apply basic statistical tests to research reports typically seen in medical literature. This workshop explores the most commonly used tests, including t-tests, analysis of variance, tests for equivalence, Z-test of proportions, odds ratios and relative risk ratios, chi-square, correlation, and linear regression. Practical examples and problems drawn from scientific research will be used to illustrate statistical concepts and mathematical procedures. Emphasis is on the appropriate use of statistics and the interpretation of their results.

Learning Objectives:

- Define statistical terms commonly encountered in the literature.
- List various graphic and numeric methods for presenting descriptive statistics.
- Discuss the major types of variables and define the general rule of probability in inferential statistics.
- Select the appropriate statistical test given the type of data presented.
- Evaluate example problems to identify the type of variables involved and the most appropriate statistical test(s) to use.

Faculty:

James E. DeMuth, B.S.Pharm., Ph.D., M.S., Professor Emeritus, University of Wisconsin-Madison, Madison, Wis.

RESIDENT AND NEW PRACTITIONER PROGRAMMING

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

If you are in your first five years of pharmacy practice, you're probably still finding your way — and your concerns, needs, and interests aren't the same as those of your preceptors and mentors. ASHP developed this programming to address the transitioning needs of residents and new practitioners at the Midyear Clinical Meeting. Explore workplace challenges, mentorship, and clinical issues in an encouraging and motivational atmosphere.

Best of all, entry into this programming is included in your full Midyear meeting registration fee.

Ensure your success. Spend your weekend with other residents and new practitioners, meet members of the ASHP New Practitioners Forum Executive Committee, and see your way to a great future.

Career Development

Learn tips and tricks that your colleagues have used successfully to grow and advance their careers.

Clinical Development

On a day-to-day basis, you must demonstrate you are competent, professional, intelligent, and credible. Learn ways to improve your clinical skills, regardless of your practice area.

SUNDAY, DECEMBER 3

	W304 B, Level 3	W304 F, Level 3
	CAREER DEVELOPMENT	CLINICAL DEVELOPMENT
8:30 a.m. - 10:00 a.m.	<ul style="list-style-type: none"> ■ Extinguishing the Burnout: Yourself and Your Team ■ Missed Connection: Critical Components of Effective Communication 	<ul style="list-style-type: none"> ■ New HYPertension Guidelines: Are They Worth All the HYPE? ■ Seeing Through the Smoke: Clinical Management of Medical Cannabis
11:45 a.m. - 12:30 p.m.	LUNCH ON OWN	
12:30 p.m. - 2:00 p.m.	<ul style="list-style-type: none"> ■ Next Stop, Provider Status: Don't Miss the Train 	<ul style="list-style-type: none"> ■ The Next Wave: Specializing Ambulatory Care
2:15 p.m. - 4:00 p.m.	<ul style="list-style-type: none"> ■ Age-Defying Communication: Navigating the Generational Differences in the Pharmacy Workforce 	<ul style="list-style-type: none"> ■ Pharmacists in Pain Management — You Too Can Do It!
4:15 p.m. - 5:15 p.m.	<ul style="list-style-type: none"> ■ Top 10 Statistical Mistakes That Make It Through Peer Review: Implications for Journal Clubs & Practice Implementation 	<ul style="list-style-type: none"> ■ Ironing Out the Management of Anemia in Heart Failure

8:30 a.m. - 10:00 a.m.

W304 B, Level 3

■ Extinguishing the Burnout: Yourself and Your Team

Planned in cooperation with the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-330-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Samuel Calabrese, B.S.Pharm., M.B.A., FASHP, Associate Chief Pharmacy Officer, Cleveland Clinic, Cleveland, Ohio

Learning Objectives:

- Define the signs and symptoms of burnout as well as the difference between burnout and stress.
- Apply mechanisms to manage and reframe how to look at the function(s) that cause burnout.
- Develop methods to reevaluate goals and incorporate de-stressing and other tactics to reduce, improve, and recover from burnout and lead a more healthy lifestyle.

Presenters:

Samuel Calabrese, B.S.Pharm., M.B.A., FASHP
Robert P. Granko, Pharm.D., M.B.A., Director of Pharmacy, Cone Health – Moses H. Cone Hospital, Greensboro, N.C.
Jennifer Tryon, Pharm.D., M.S., FASHP, Associate Vice President and Chief Pharmacy Officer, Wake Forest Baptist Health, Winston Salem, N.C.

8:30 a.m. - 10:00 a.m.

W304 F, Level 3

■ New HYPertension Guidelines: Are They Worth All the HYPE?

Planned in cooperation with the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-331-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Joel Marrs, Pharm.D., ASH-CHC, BCACP, BCPS-AQ Cardiology, CLS, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

Learning Objectives:

- Using a case study, illustrate the new treatment recommendations included in the new ACC-AHA hypertension guidelines.
- Interpret and apply new guidelines to the management of patients with hypertension.
- Differentiate clinical controversies regarding the benefits of treating hypertension in subpopulations.
- Evaluate challenges with the application of the updated guidelines when treating hypertension.

Presenters:

Joel Marrs, Pharm.D., ASH-CHC, BCACP, BCPS-AQ Cardiology, CLS
Joseph Saseen, Pharm.D., ASH-CHC, BCACP, BCPS, CLS, Professor and Vice Chair, University of Colorado, Aurora, Colo.

See page 133 for presenter disclosures.

10:15 a.m. - 11:45 a.m.

W304 B, Level 3

■ Missed Connection: Critical Components of Effective Communication

Planned in cooperation with the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-332-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Michael Wolcott, Pharm.D., BCPS, Research Assistant, Doctoral Candidate, UNC Eshelman School of Pharmacy/UNC School of Education, Chapel Hill, N.C.

Learning Objectives:

- Describe the types of communication, considerations, and strategies to improve.
- Evaluate the integration of communication strategies in prominent examples.
- Apply strategies in crucial conversations often encountered in professional practice.
- Design a communication action plan to integrate into continuing professional development.

Presenters:

Beth McLendon-Arvik, Pharm.D., Manager, Investigational Drug Services, Duke University Hospital, Durham, N.C.
Laura Meleis, Pharm.D., M.S., BCPS, Pharmacy Operations and Compliance Coordinator, Florida Hospital, Orlando, Fla.
Michael Wolcott, Pharm.D., BCPS

10:15 a.m. - 11:45 a.m.

W304 F, Level 3

■ Seeing Through the Smoke: Clinical Management of Medical Cannabis

Planned in cooperation with the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-333-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Christine Roussel, Pharm.D., BCOP, Assistant Director of Pharmacy, Doylestown Hospital, Doylestown, Pa.

Learning Objectives:

- Discuss the endocannabinoid system, cannabinoid pharmacology, and the differences between cannabinoid products and formulations.
- Apply information for the medical literature on specific patient case scenarios for the therapeutic use of medical cannabis.
- Design a role for the pharmacist, related to managing medical cannabis, for patient counseling in various settings.
- Develop a plan for the pharmacist when patients report medical cannabis use and their desire to continue therapy across transitions of care.

Presenters:

Melani Bersten, Pharm.D., Lead Cannabis Pharmacist, Minnesota Medical Solutions, Bloomington, Minn.
Jean Dugan, Pharm.D., Independent Consultant, Edgewater, Colo.
Joseph J. Morgan, M.D., AACM, Senior Medical Director, Onconova Therapeutics, Inc., Newtown, Pa.

continues >

12:30 p.m. - 2:00 p.m.

W304 B, Level 3

Next Stop, Provider Status: Don't Miss the Train

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-334-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair: **Ellina Seckel, Pharm.D., BCACP**, Associate Chief, Ambulatory and Specialty Care, Pharmacy Service, William S. Middleton Veterans Affairs Hospital, Madison, Wis.

Moderator: **Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP**, Clinical Professor, University of Wyoming, Laramie, Wyo.

Learning Objectives:

- Describe current state of pharmacy practice acts relating to provider status and advanced pharmacist scope of practice.
- Discuss policy, regulation, and law changes needed to expand the pharmacists' role as patient care provider.
- Identify barriers and create a plan to overcome the barriers based on other states' experiences.
- Develop a plan for next steps to prepare for provider status call to action.

Presenters:

Micah Cost, Pharm.D., M.S., Executive Director, Tennessee Pharmacists Association, Nashville, Tenn.

Robert (Bob) E. Davis, Pharm.D., FAPhA, (Ret.) Professor, Kennedy Pharmacy Innovation Center, Lantana, Texas

Amanda Locke, Pharm.D., BCACP, Ambulatory Pharmacy Manager, Virginia Mason Medical Center, Seattle, Wash.

12:30 p.m. - 2:00 p.m.

W304 F, Level 3

The Next Wave: Specializing Ambulatory Care

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-335-L04-P
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: **Amber Lanae Martirosov (Smith), Pharm.D., M.Sc., BCPS**, Assistant Clinical Professor, Wayne State University, Detroit, Mich.

Learning Objectives:

- Define ambulatory care services in nontraditional health-care settings.
- Identify ways to demonstrate success within specialty practice areas, including impact on quality care and possible billing opportunities.
- Discuss strategies to overcome barriers and challenges of developing nontraditional practice models.

Presenters:

Jessica Conklin, Pharm.D., AAHIVP, BCACP, CDE, PhC, Assistant Professor, University of New Mexico College of Pharmacy, Albuquerque, N.M.

Rebecca Grandy, Pharm.D., BCACP, CPP, Clinical Pharmacist, MAHEC Family Medicine, Asheville, N.C.

Amber Lanae Martirosov (Smith), Pharm.D., M.Sc., BCPS

2:15 p.m. - 4:00 p.m.

W304 B, Level 3

Age-Defying Communication: Navigating the Generational Differences in the Pharmacy Workforce

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the ASHP Section Advisory Group on Preceptor Skills Development

ACTIVITY #0204-0000-17-336-L04-P
1.75 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA**, Professor, Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, Ariz.

Learning Objectives:

- Compare and contrast generational differences for the six living generations.
- Discuss implications of multigenerational communication in pharmacy practice.
- Apply generational attributes to case vignettes to identify ways to tailor communication to meet the needs of the employee or the patient.

Presenters:

Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA

Melissa S. Medina, Ed.D., Ed.M., B.A., Professor and Associate Dean for Assessment, Evaluation and Teacher Development, The University of Oklahoma College of Pharmacy, Oklahoma City, Okla.

Mary Niemczyk, Ph.D., M.B.A., B.A., Associate Professor, Arizona State University, Mesa, Ariz.

Tracy K. Pettinger, Pharm.D., Assistant Dean and Director for Experiential Education and Clinical Associate Professor of Pharmacy Practice and Administrative Sciences, Idaho State University, Pocatello, Idaho

2:15 p.m. - 4:00 p.m.

W304 F, Level 3

Pharmacists in Pain Management — You Too Can Do It!

Planned in cooperation with the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-337-L01-P
1.75 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Andrew Lowe, Pharm.D., FCSHP**, Regional Vice President, Clinical Services, Comprehensive Pharmacy Services, Colton, Calif.

Learning Objectives:

- Given a patient case scenario, develop a therapeutic plan for providing adequate analgesia in a safe fashion.
- Apply guideline-based pain management principles in providing analgesia to patients in the hospice setting.
- Recommend strategies for developing a plan for a pharmacist-led pain management program.

Presenters:

Rabiah Dys, Pharm.D., Division Vice President, Clinical Program Development, Comprehensive Pharmacy Services, Memphis, Tenn.

Marvin Finnefrock, Pharm.D., Divisonal President Clinical and Purchasing, Comprehensive Pharmacy Services, Costa Mesa, Calif.

Andrew Lowe, Pharm.D., FCSHP

4:15 p.m. - 5:15 p.m.

W304 B, Level 3

■ **Top 10 Statistical Mistakes That Make It Through Peer Review: Implications for Journal Clubs and Practice Implementation**

ACTIVITY #0204-0000-17-338-L04-P

1.00 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Learning Objectives:

- Examine components of a well-done subgroup analysis from a research study.
- Differentiate the components of a power calculation and how these components impact conclusions from a research study.
- Identify resources for ongoing professional development in biostatistics.

Presenter:

Alexander H. Flannery, Pharm.D., BCCCP, BCPS, Critical Care Pharmacist, Medical Intensive Care Unit, University of Kentucky HealthCare, Lexington, Ky.

4:15 p.m. - 5:15 p.m.

W304 F, Level 3

■ **Ironing Out the Management of Anemia in Heart Failure**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the ASHP New Practitioners Forum

ACTIVITY #0204-0000-17-339-L01-P

1.00 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Christopher Betz, Pharm.D., BCPS, FASHP, FKSHP, Professor, Sullivan University College of Pharmacy, Louisville, Ky.

Learning Objectives:

- Interpret the current guideline recommendations for the management of anemia in heart failure patients.
- Evaluate the underlying mechanism of iron deficiency in heart failure patients.
- Assess the effectiveness of oral versus intravenous iron replacement strategies on heart failure patients.
- Design a pharmacotherapy plan to manage iron deficiency in heart failure patients.

Presenters:

Christopher Betz, Pharm.D., BCPS, FASHP, FKSHP
Snehal Bhatt, Pharm.D., BCPS-AQ Cardiology, FASHP, Associate Professor of Pharmacy Practice, MCPHS University, Boston, Mass.



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ASHP PHARMACY STUDENT FORUM PROGRAMMING

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

SATURDAY, DECEMBER 2

7:00 a.m. - 6:00 p.m.

W315 A, Level 3

Clinical Skills Competition Semi-Final Round (closed session)

It's the battle of the best and brightest. Winning teams from the preliminary round (school-level) competitions at each college of pharmacy will compete in the semi-final round at the national level, showcasing their clinical skills and knowledge.

Sponsored by the ASHP Research and Education Foundation and supported by Wolters Kluwer Health

SUNDAY, DECEMBER 3

7:00 a.m. - 8:30 a.m.

Pharmacy Student Forum Advisory Group Meetings (closed session by invitation only)

8:30 a.m. - 10:00 a.m.

W224 E, Level 2

SSHP Leaders Workshop

Current officers or emerging leaders in Student Societies of Health-System Pharmacy (SSHP) will join other student leaders from across the nation to network, share, and reapply best practices from fundraising to programming.

Presenters:

Judith Lovince, Pharm.D. Candidate 2019, Florida A&M University, College of Pharmacy and Pharmaceutical Sciences, and Vice Chair, Pharmacy Student Forum Executive Committee, Tallahassee, Fla.

Kayla Garzio, Pharm.D. Candidate 2018, Philadelphia College of Pharmacy, University of the Sciences, and Member, Pharmacy Student Forum Executive Committee, Philadelphia, Pa.

9:00 a.m. - 10:00 a.m.

Chapin Theater W320, Level 3

Strategies for Personal and Professional Success

Be inspired and motivated to take action in achieving your personal and professional career goals. Panelists of pharmacy leaders will provide examples of how to successfully learn and incorporate skills including work-life integration, emotional intelligence, self-assessment, and mentor-coach-sponsor relationships.

Speakers:

Felicity Homsted, Pharm.D., BCPS, Chief Pharmacy Officer, Penobscot Community Health Care, Bangor, Maine

Katherine A. Miller, Pharm.D., M.H.A., Pharmacy Director – System Inpatient Clinical Services, PGY1 Pharmacy Residency Program Director, The University of Kansas Health System, Kansas City, Kan.

Ross W. Thompson, R.Ph., M.S., FASHP, Executive Director of Pharmacy, Tufts Medical Center and the Floating Hospital for Children, Boston, Mass.

Rita Shane, Pharm.D., FASHP, FCSHP, Chief Pharmacy Officer, Cedars-Sinai Medical Center, and Assistant Dean, Clinical Pharmacy, UCSF School of Pharmacy, Los Angeles, Calif.

10:10 a.m. - 11:20 a.m.

Chapin Theater W320, Level 3

Pharmacy Student Forum Opening Session

Join your fellow ASHP Pharmacy Student Forum members to kick off the Midyear meeting. This session will start with a lot of excitement as the top 10 finalist teams from the national Clinical Skills Competition are announced.

Moderator: Lauren Stanz, Pharm.D. Candidate 2018, University of Texas at Austin College of Pharmacy and Chair, Pharmacy Student Forum Executive Committee, San Antonio, Texas

■ Featured Speaker: Ryan Penneau, M.Ed.

Energy is Everything

Ryan is a nationally recognized facilitator, speaker, writer and consultant on improving performance and attitude, increasing team-engagement, and organizational culture. He has served over 500 partnering organizations which have included top universities and Fortune 500 companies, and over 8,200 individuals have completed his award winning HEART of a Leader training. Ryan is a masterful facilitator with an ability to make curriculum personally meaningful through challenge, personal coaching, and his deep ability to pull the best from each individual he works with.

In this talk, Ryan encourages attendees to be conscious of the energy they give and receive from the world around them. Energy is NOT about being loud and excited and jumping around with high fives, it is about the attitude we intentionally bring to our environment and the people in our lives. It is about creating a space for others to thrive, create and contribute in a meaningful way. This interactive session will help you define energy as it pertains to how you show up in the world, give you the tools for building stronger relationships and influence, and give yourself permission to impact the world around you personally and professionally.



11:30 a.m. - 12:30 p.m. Chapin Theater W320, Level 3

Mysteries of the Match

Are you interested in a residency but afraid of the Match? Don't be! Come learn how the pharmacy residency matching service works, learn strategies to successfully navigate through the Match, and get tips on what to do if you don't match.

Speaker: **Mary Hess, Pharm.D., FASHP, FCCM, FCCP**, Associate Dean, Student Affairs, Jefferson College of Pharmacy, Thomas Jefferson University, Philadelphia, Pa.

1:00 p.m. - 3:50 p.m. W315 A, Level 3

Clinical Skills Competition Final Round Presentations

It's the battle of the best and brightest. On Saturday, winning teams from the preliminary round (school-level) competitions at each college of pharmacy competed in the semi-final round at the national level, showcasing their clinical skills and knowledge. If you think you have what it takes to be a champion in your pharmacy school or even at the National Clinical Skills Competition next year, check out the final-round presentations from the top 10 finalist teams. You are invited to stop in as an observer to get an idea of what it takes to be a finalist in the National Clinical Skills Competition and enjoy the range of presentations at this inspiring and impressive session. Stick around following the presentations for the case review with the national case writer.

Sponsored by the ASHP Research and Education Foundation and Supported by Wolters Kluwer Health

1:30 p.m. - 3:00 p.m. Chapin Theater W320, Level 3

PhORCAS: The Centralized Application System for Pharmacy Residencies

PhORCAS is the Pharmacy Online Centralized Application Service. Learn about the process and how it will save you time when submitting your residency application. You'll also have the opportunity to ask questions about the service.

Speakers:

Brendan J. Reichert, R.Ph., M.S., PhORCAS Advisory Committee, Informatics Consultant and Project Manager for Johns Hopkins, Powell, Ohio

Deborah Erdner, M.S., Vice President, Account Management, Liaison International, LLC, Watertown, Mass.

3:15 p.m. - 4:45 p.m. Chapin Theater W320, Level 3

Make a Lasting Impression: Evaluating Your Interview Skills

Interviews are always on the horizon. As you pursue an internship, residency, or other career option, be ready to make a lasting impression. This workshop includes role-play and live examples of common interview formats as well as questions you may encounter.

Moderator: **Mary Hess, Pharm.D., FASHP, FCCM, FCCP**, Associate Dean, Student Affairs, Jefferson College of Pharmacy, Philadelphia, Pa.

5:00 p.m. - 6:30 p.m. Valencia W415 B, Level 4

Awards Ceremony and Student Society Showcase

Join us as we recognize and celebrate the accomplishments of our ASHP student leaders. Student Societies of Health-System Pharmacy (SSHPs) will spotlight their achievements in the annual Student Society Showcase. Take this opportunity to learn about best practices from SSHPs across the nation, and find out how you can reapply their successful events on your campus. Stick around to cheer on the recipients of the ASHP Student Leadership Award and ASHP Foundation Student Research Award — and don't miss the announcement of the National Clinical Skills Competition winners.

Presenters:

Laura Nice, Pharm.D. Candidate 2018, Northeast Ohio Medical University College of Pharmacy, and Member Pharmacy Student Forum Executive Committee, Cuyahoga Falls, Ohio

Spencer Bolton, Pharm.D. Candidate 2018, Sullivan University College of Pharmacy, and Member Pharmacy Student Forum Executive Committee, London, Ky.

MONDAY, DECEMBER 4

7:30 a.m. - 5:00 p.m. West Hall A2, Level 2

Personnel Placement Service (PPS)

For more information, see page 8.

9:00 a.m. - 10:30 a.m. West Hall D2, Level 2

Opening Session

For more information, see page 29.

10:45 a.m. - 11:45 a.m. West Hall B4, Level 2

Student Poster Session

11:00 a.m. - 3:00 p.m. West Hall A3, B1 & B3, Level 2

Exhibit Program

11:30 a.m. - 1:00 p.m. W315 A, Level 3

Career Pearls: Days in the Lives of Health-System Pharmacists

Undecided about your career path? From clinical to management, informatics to ambulatory care — the options seem endless. Hear from 12 pharmacists who work in various pharmacy practice settings to learn more about what a day in the life is like. Take away information about careers you have interest in but never took the time to learn about — you may even find something you never knew existed.

Moderator: **Judith Lovince**, Pharm.D. Candidate 2019, Florida A&M University, and Vice-Chair Pharmacy Student Forum Executive Committee, Tallahassee, Fla.

continues >

Presentations:

GROUP 1

11:35 a.m. - 12:15 p.m.

Ambulatory Care: Amber Lanae Martirosov (Smith), Pharm.D., BCPS, Assistant Clinical Professor, Wayne State University, Detroit, Mich.

Government: Teresa Rubio, Pharm.D., Health Programs Coordinator & Safety Evaluator, U.S. Food and Drug Administration, White Oak, Md.

Pediatrics: Kyle Mays, Pharm.D., Clinical Pharmacist, PICU, and Residency Program Director, SSM Health Cardinal Glennon Children's Hospital, Saint Louis, Mo.

Surgery: Calvin Ice, Pharm.D., BCOP, BCPS, Clinical Pharmacy Specialist, Surgery & Anesthesia, Spectrum Health, Grand Rapids, Mich.

Medication Safety: Jaelyn A. Jeffries, Pharm.D., CPH, Clinical Pharmacist, Florida Hospital, Melbourne, Fla.

GROUP 2

12:20 p.m. - 1:00 p.m.

Academia: Lalita Prasad-Reddy, Pharm.D., Clinical Assistant Professor, Chicago State University College of Pharmacy, Chicago, Ill.

Clinical Leadership: Kersten Weber Tatarelis, Pharm.D., BCPS-AQ ID, System Director of Clinical Pharmacy Services, Advocate Illinois Masonic Medical Center, Downers Grove, Ill.

Critical Care: Karen Berger, Pharm.D., BCPS, BCCCP, Neurocritical Care Clinical Pharmacist, NewYork-Presbyterian Hospital, New York, N.Y.

Emergency Medicine: Robert Pugliese, Pharm.D., BCPS, Clinical Specialist, Emergency Medicine, Thomas Jefferson University, Philadelphia, Pa.

Small/Rural Hospital Practice: Jason T. Strow, Pharm.D., CGP, Mid-Atlantic Pharmacy Director, Health South, Barboursville, W.V.

12:00 p.m. - 1:00 p.m.

West Hall B4, Level 2

Student Poster Session

1:30 p.m. - 3:00 p.m.

W315 A, Level 3

Fundamental Strategies to Secure a Residency: Getting a Head Start as a P1-P3

In the tough competition for postgraduate positions, how can you stand out? After this presentation, you will have fundamental tips, a timeline, and answers to some of the questions you may have, including the following: When do I start planning my residency search strategy? How can I set up a plan and task list to keep myself on target for success as a P1 student? How can I excel in the interview process? You will receive candid advice and guidance that will be directly applicable to your hunt for a postgraduate residency or fellowship. You will be able to follow an outline of what you will need to do as a student during the P1 to P3 years to successfully prepare yourself for the residency or fellowship application process.

Moderator: Kyla Garzio, Pharm.D. Candidate 2018, Philadelphia College of Pharmacy, University of the Sciences, McAdoo, Pa.

Speaker: Joshua Caballero, Pharm.D., BCPP, Associate Professor, Nova Southeastern University College of Pharmacy, Fort Lauderdale-Davie, Fla.

Residency Showcase™

West Hall C, Level 2

Monday, December 4

1:00 p.m. - 4:00 p.m.

Tuesday, December 5

8:00 a.m. - 11:00 a.m.

1:00 p.m. - 4:00 p.m.

The Residency Showcase™ is for individuals pursuing residency positions in 2018-19.

Make the rounds all in one place — and save time and money. The Residency Showcase™ is designed for your convenience, allowing you to meet with representatives from hundreds of programs across the country. The showcase is continued on Tuesday, but each program will be available during only one of the three time slots, so plan ahead. Business attire is recommended.

For those students interested in visiting the Residency Showcase™ but who will not be pursuing a residency in 2018, please wait until the second half to enter the showcase. Be courteous — do not engage programs in a discussion at this point, as this prevents them from talking to those pursuing residency positions next year. We recommend attending the student educational sessions on Monday and Tuesday, which are designed exclusively for P1-P3 students.

- Fundamental Strategies to Secure a Residency: Getting a Head Start as a P1-P3
- Effective CV and Resume Writing
- What to Do When the Unexpected Happens

3:15 p.m. - 4:15 p.m.

W315 A, Level 3

Student Advocacy Workshop

This session will provide an overview of the components of political advocacy as well as background on key issues affecting pharmacy students.

Speakers:

Mindy Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor, Department of Pharmacy, Midwestern University College of Pharmacy – Glendale, Glendale, Ariz.
John Hertig, Pharm.D., M.S., CPPS, Associate Director, Purdue Center for Medication Safety Advancement, Indianapolis, Ind.

4:30 p.m. - 5:30 p.m.

W315 A, Level 3

Dollars and Good Sense

The days of living off student loans and fast food are coming to an end. You are entering the real world of working professionals — and the real world of mortgages, debt, bills, and investment opportunities. This popular session will help you manage your finances and learn strategies to help you handle your current responsibilities while planning for the future.

Speakers:

Eric Truvillion, Financial Advisor, Principal Financial Group, Tampa, Fla.
Alonzo Barnes, Jr., Financial Advisor, Principal Financial Group, Tampa, Fla.

Moderator: Laura Nice, Pharm.D. Candidate 2018, Northeast Ohio Medical University College of Pharmacy, and Member Pharmacy Student Forum Executive Committee, Cuyahoga Falls, Ohio

TUESDAY, DECEMBER 5

7:00 a.m. - 9:00 a.m.

W224 E, Level 2

SSHP Faculty Advisor Breakfast Workshop

(closed session by invitation only)

Speaker:

Diana L. Dabdub, Director, Pharmacy Student Forum, ASHP, Bethesda, Md.

7:30 a.m. - 5:00 p.m.

West Hall A2, Level 2

Personnel Placement Service (PPS)

For more information, see page 8.

8:00 a.m. - 11:00 a.m.

West Hall C, Level 2

Residency Showcase™

10:45 a.m. - 11:45 a.m.

West Hall B4, Level 2

Student Poster Session

11:00 a.m. - 3:00 p.m.

West Hall A3, B1 & B3, Level 2

Exhibit Program

12:00 p.m. - 1:00 p.m.

West Hall B4, Level 2

Student Poster Session

1:00 p.m. - 2:15 p.m.

W315 A, Level 3

Effective CV and Resume Writing

Getting ready to enter the pharmacy workforce? Before you know it, potential employers will start requesting your CV or resume. Get real-world advice on how to market your skills effectively, and learn important tips about preparing your CV and resume — and how to avoid common mistakes.

Moderator: Maggie Lau, Pharm.D. Candidate 2019, Midwestern University Chicago College of Pharmacy, Chicago, Ill.

1:00 p.m. - 4:00 p.m.

West Hall C, Level 2

Residency Showcase™

2:15 p.m. - 3:00 p.m.

W315 A, Level 3

What to Do When the Unexpected Happens

Strategies for how to achieve your personal and professional career goals when the unexpected happens will be discussed.

Speakers:

Delia C. Carias, Pharm.D., BCPS, Clinical Pharmacist, Medication Use Policy, St. Jude Children’s Research Hospital, Memphis, Tenn.
Katherine Weigartz, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, The Ohio State University Wexner Medical Center, Columbus, Ohio

3:15 p.m. - 4:15 p.m.

W315 A, Level 3

Pillars of Success: Perspectives in Practice Advancement

Learn about the Practice Advancement Initiative (PAI) and how you, as a student, can get involved. This presentation will describe PAI implementation activities, resources, and measures coordinated by ASHP and the ASHP Foundation. Ways in which the pharmacy profession must change to advance pharmacy’s patient care role will also be presented. This session will discuss how to advance pharmacy practice through integrating students in practice sites, current practices-in-action, and areas for students to get involved.

Speakers:

Thomas S. Achey, Pharm.D., BCPS, Inpatient Operations Pharmacy Manager, Duke University Hospital, Durham, N.C.
Brooke Brown, Pharm.D. Candidate 2019, Virginia Commonwealth University School of Pharmacy, Richmond, Va.
Eric Maroyka, Pharm.D., BCPS, Director, Center on Pharmacy Practice Advancement, ASHP, Bethesda, Md.
Moderator: Lois Kim, Pharm.D. Candidate 2019, Texas A&M University Health Science Center Irma Lerma Rangel College of Pharmacy, Kingsville, Texas

continues >

4:30 p.m. - 5:30 p.m.

W315 A, Level 3

Clinical Pearls for Students

Based on the popular Clinical Pearls session for practicing pharmacists, this session is custom-tailored for a student audience. Come hear the valuable lessons learned as new practitioners share clinical pearls that can help you prepare for residency training or entering practice.

7:00 p.m. - close

the groove™

Students' Night Out



Party with a purpose! After a long week of education programming, interviews, poster presentations, and more; you

need to kick back and relax. Join pharmacy students from across the country and celebrate at the groove™. Located at Universal CityWalk™, the groove™ is the place locals and out-of-town visitors go in Orlando for fun and from 7:00 p.m. to 9:00 p.m., ASHP has reserved the groove™ dance club just for you! You must present your student night out ticket (included with your registration badge, and be 21 years or older with a valid photo ID to enter). Shuttle service will not be provided. Venue opens to the public at 9:00 p.m. Dress code is casual-chic, no hats or tank tops.

WEDNESDAY, DECEMBER 6

7:30 a.m. - 5:00 p.m.

West Hall A2, Level 2

Personnel Placement Service (PPS)

For more information, see page 8.

8:30 a.m. - 9:30 a.m.

West Hall B4, Level 2

Student Poster Session

11:00 a.m. - 2:00 p.m.

West Hall A3, B1 & B3, Level 2

Exhibit Program

7:30 p.m. - 11:30 p.m.

Universal Studios Florida™ Theme Park

ASHP'S Epic Evening Event

For more information, see page 33.

ADVANCED STERILE PRODUCT PREPARATION TRAINING AND CERTIFICATE PROGRAM

for high-level pharmacists and pharmacy technicians

Designed for participants who are proficient in the fundamental skills required for safe and compliant sterile product preparation, and who are now responsible for managing and developing the personnel and facilities associated with these compounding activities.

Highlights of the Advanced Sterile Product Preparation Training Certificate include the following:

- Reflects pending changes associated with USP <797> and <800>
- Includes 9 modules, plus activities for 23 hours of CE
- Learn in manageable segments
- Upload practice-based components to earn an ASHP Professional Certificate

\$395 MEMBER | \$495 NONMEMBER

www.ashp.org/certificate-programs



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PROGRAMMING FOR SMALL & RURAL HOSPITAL PRACTITIONERS

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

SUNDAY, DECEMBER 3

12:00 p.m. - 1:15 p.m.

W311 F, Level 3

■ **Small and Rural Keynote: Update on Healthcare in Rural America**

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-312-L04-P/0204-0000-17-312-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST



Don't miss the special welcomes and updates from ASHP and Section Advisory Group leaders. CE credit is not available for the welcome.

Learn about trends in small and rural healthcare and current factors that are driving change. Hear about innovative initiatives in providing care to patients who live in rural communities. New models of care and updates on where pharmacists can positively impact patient care will be discussed.

Learning Objectives:

- Describe factors driving healthcare services provided in small and rural hospitals.
- Discuss issues and trends in small and rural hospitals impacting pharmacy services provided to patients in this setting.

Presenter: Brock Slabach, M.P.H., FACHE, Senior Vice President, National Rural Health Association, Leawood, Kan.

1:15 p.m. - 2:15 p.m.

W311 F, Level 3

■ **Addressing the Standards: Meeting USP <797> Requirements in Small and Rural Hospitals**

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-313-L07-P/0204-0000-17-313-L07-T
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Christina E. DeRemer, Pharm.D., BCPS, FASHP, Associate Professor – Ambulatory Care, University of Florida College of Pharmacy, Gainesville, Fla.

Learning Objectives:

- Discuss strategies to comply with pharmacy practice and occupational safety standards and guidelines.
- Review literature for strategies to overcome common barriers in small and rural hospitals.
- Develop an action plan and a proposal for adherence to standards.

See page 133 for presenter disclosures.

2:30 p.m. - 3:30 p.m.

W311 F, Level 3

■ **Pharmacist Impact on the Health of Rural Americans — Leveraging the Power of Collaborative Practice**

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-314-L04-P
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Stephanie N. Kiser, B.S.Pharm., R.Ph., Director, Rural Health & Wellness, UNC Eshelman School of Pharmacy, Asheville, N.C.

Learning Objectives:

- Identify the skills and training needed by pharmacists to address the challenges for underserved rural patients in the ambulatory care setting.
- Describe the challenges, opportunities, and emerging practice roles for pharmacists in rural hospital settings.

Presenters:

Lynn Fletcher, Pharm.D., BCACP, BC-ADM, CDE, Clinical Pharmacist, HealthLinc, Inc., Valparaiso, Ind.

Mollie A. Scott, Pharm.D., BCACP, CPP, FASHP, Regional Associate Dean, UNC Eshelman School of Pharmacy, Candler, N.C.

3:30 p.m. - 4:30 p.m.

W311 F, Level 3

■ **The Joint Commission Update 2017: Focus on Small and Rural Hospitals**

Planned in cooperation with the Small and Rural Advisory Group of the Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-315-L03-P/0204-0000-17-315-L03-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Debra L. Cowan, Pharm.D., B.S.Pharm., FASHP, Pharmacy Director, Angel Medical Center, Franklin, N.C.

Learning Objectives:

- Describe the most challenging medication standards for small and rural hospitals.
- List strategies to address compliance with the top scored standards.
- Identify changes to the medication standards that are expected in 2018.

Presenters:

Debra L. Cowan, Pharm.D., B.S.Pharm., FASHP
Jeannell Mansur, Pharm.D., B.S.Pharm., CJCP, FASHP, Principal Consultant, Joint Commission Resources, Oak Brook, Ill.

PHARMACY RESIDENCY & TECHNICIAN TRAINING ACTIVITIES

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

Pharmacy Technician Training Program Directors and Instructors

SUNDAY, DECEMBER 3

1:00 p.m. - 2:00 p.m.

W207 A, Level 2

New and Prospective Pharmacy Technician Training Program Directors and Instructors Meeting

This session is a must for those thinking about starting a new pharmacy technician training program or for anyone who has recently submitted an application and has not yet had an accreditation site visit. Common questions about the accreditation and survey processes will be discussed. Come learn the essentials for getting your pharmacy technician training program off to a good start.

2:00 p.m. - 3:00 p.m.

W207 A, Level 2

Pharmacy Technician Training: What's New for 2018

This gathering is a perfect forum for pharmacy technician training program directors and instructors to network and learn about issues impacting pharmacy technician training program accreditation. The session will also include an update from the Pharmacy Technician Accreditation Commission (PTAC) and helpful information from lead surveyors who conduct accreditation visits.

Residency Program Directors and Preceptors

SUNDAY, DECEMBER 3

12:00 p.m. - 1:00 p.m.

W311 B, Level 3

PhORCAS: How Programs Can Optimize the WebAdMIT Portal Within PhORCAS

WebAdMIT, the selection portal for PhORCAS, is an amazing tool integrated into the system to make the process of sorting out resident information by residency program directors and preceptors much more efficient and less labor intensive than in the past. Come learn how WebAdMIT can help your program improve the efficiency of the residency selection process for the current application season.

1:00 p.m. - 2:00 p.m.

W312 A, Level 3

Getting Started and Applying for Accreditation — Finding the Pathway and Taking the Right Steps

This session is a must for those who are thinking about starting a new residency program. Topics for discussion will include the application process such as the difference between “pre-candidate” and “candidate” designations, core program requirements such as residency program director and preceptor qualifications, timeline from application to accreditation, information about the accreditation site visit, and more. Come learn the essentials for getting your program off to a good start.

2:00 p.m. - 3:00 p.m.

W308 B, Level 3

Using PharmAcademic to Support Resident Learning

PharmAcademic is a web-based program developed by the McCreddie Group to assist programs with organizing and maintaining certain aspects of residency training such as resident schedules, evaluations, program learning experiences and other documents. The goal of this session is to help residency program directors, preceptors, and residents understand the functionality of PharmAcademic to support residency training. Various features of PharmAcademic will be discussed and demonstrated to assist programs in the design and conduct of their residency programs.

3:00 p.m. - 5:00 p.m.

W311 B, Level 3

Residency Program Directors and Preceptors Town Hall: Updates from the Commission on Credentialing

Residency Program Directors and Preceptors Town Hall, led by Janet Silvester, Vice President, Accreditation Services Office, ASHP, and Chris Scott, Chair of the Commission on Credentialing (COC), will provide attendees with the latest updates related to residency accreditation. Learn about the newly approved PGY2 specialty pharmacy practice areas competencies, goals, and objectives. The forum also provides attendees the opportunity to give input on current issues with residency accreditation as well as suggestions for future changes. All current and future residency program directors, preceptors, and residents are encouraged to attend.

MONDAY, DECEMBER 4

6:30 a.m. - 9:00 a.m.

W207 A, Level 2

Veterans Affairs Residency Open Forum

This open forum will provide an opportunity for residency program directors and preceptors to discuss issues relevant to residency training conducted in the Veterans Affairs Health Care System. Representatives from the Department of Veterans Affairs, ASHP's Commission on Credentialing, and ASHP's Accreditation Services Office will be available for the discussion. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

1:00 p.m. - 4:00 p.m.

West Hall C, Level 2

Residency Showcase™

Attention 2018 Graduates!

Make the rounds all in one place — and save money and time. The Residency Showcase™ is the perfect venue for you to begin your residency journey. Each showcase session includes a different group of programs so be sure to review the schedule carefully to plan your visit. Showcase listings will be available in mid-November on the 2017 Midyear meeting website as well as at the meeting. For more information, go to www.ashp.org/midyear17/Residency-Showcase. Dress for success — business attire is a must.

The showcase can be crowded. While the Residency Showcase is open to all students, we ask those who are not graduating in 2018 to schedule their visits during the last hour of the showcase to allow students who are actively pursuing a residency position for the 2018–2019 residency year time to meet with program representatives.

4:30 p.m. - 5:30 p.m.

W300 (Lecture Theater), Level 3

Community Pharmacy Residency Open Forum

This open forum will provide an opportunity for residency program directors and preceptors to discuss issues relevant to community-based pharmacy residency training with representatives from ASHP's Commission on Credentialing, ASHP's Accreditation Services Office, and APhA. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

4:30 p.m. - 5:30 p.m.

W309 A, Level 3

Regional Residency Conference Planners Meeting

Come join your fellow residency conference planners from around the country for this informal get-together to share best practices and develop solutions to common challenges in conference planning. Staff from ASHP's Accreditation Services Office will also be on hand to answer your questions.

TUESDAY, DECEMBER 5

8:00 a.m. - 11:00 a.m.

West Hall C, Level 2

Residency Showcase™

10:00 a.m. - 11:00 a.m.

W305 A, Level 3

Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion

ASHP Accreditation Services Office staff lead surveyors will be available to answer your questions about starting a residency training program, getting ready for an accreditation survey visit, and more. Join us for a great session where you can speak one on one with lead surveyors to get the information that you need. There are two sessions (10:00 a.m. - 11:00 a.m. and 2:00 p.m. - 3:00 p.m.) to accommodate the busy schedules of those exhibiting at the Residency Showcase.

1:00 p.m. - 4:00 p.m.

West Hall C, Level 2

Residency Showcase™

2:00 p.m. - 3:00 p.m.

W305 A, Level 3

Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion

ASHP Accreditation Services Office staff lead surveyors will be available to answer your questions about starting a residency training program, getting ready for an accreditation survey visit, and more. Join us for a great session where you can speak one on one with lead surveyors to get the information that you need. There are two sessions (10:00 a.m. - 11:00 a.m. and 2:00 p.m. - 3:00 p.m.) to accommodate the busy schedules of those exhibiting at the Residency Showcase.

4:30 p.m. - 5:30 p.m.

W224 E, Level 2

Managed Care Pharmacy Residency Open Forum

This open forum will provide an opportunity for pharmacy residency program directors and preceptors to discuss issues relevant to managed care pharmacy residency programs with representatives from ASHP's Commission on Credentialing, ASHP's Accreditation Services Office, and AMCP. An update on the implementation of the new PGY1 Managed Care Pharmacy Residency Accreditation Standard and associated newly revised required competency areas, goals, and objectives will also be provided. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

PHARMACY PRACTICE SECTIONS NETWORKING SESSIONS

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted.

SUNDAY, DECEMBER 3

10:00 a.m. - 11:30 a.m. West Hall C, Level 2

Networking & Poster Session: Pediatrics/ Neonatal/OB

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Peter Johnson, Pharm.D., BCPPS, BCPS, FPPAG, Associate Professor of Pharmacy Practice, University of Oklahoma College of Pharmacy, Oklahoma City, Okla.

Discussion Topics:

- Acyclovir dosing for neonatal herpes simplex virus infections
- Hydrocortisone for prevention of bronchopulmonary dysplasia
- Monitoring of low molecular weight heparins for prevention and treatment of venous thromboembolism in children
- Treatment of pediatric and neonatal ICU delirium
- Light protection for total parenteral nutrition

11:15 a.m. - 12:15 p.m. W105, Level 1

Networking Session: Investigational Drug Services

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Meghan Tolan, Pharm.D., M.B.A., Oncology IDS Operations Manager, Johns Hopkins Hospital, Baltimore, Md.

Discussion Topics:

- Advancing practice for the clinical research pharmacist
- Challenges with managing novel investigational products
- Use of metrics and data to enhance practice and analyze operations

11:15 a.m. - 12:15 p.m. W104, Level 1

Networking Session: Preceptor Skills

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Mary Douglas Smith, Pharm.D., Director of Experiential Education, Presbyterian College School of Pharmacy, Clinton, S.C.

Discussion Topics:

- 2016 ACPE Standards on experiential education
- Student self-awareness
- Evaluating the student both objectively and subjectively
- Precepting across generations
- Preceptor burnout and how to reignite

11:15 a.m. - 12:15 p.m.

W101, Level 1

Networking Session: Revenue Cycle Management

Hosted by the Section of Pharmacy Practice Managers

Facilitator: Kuldip R. Patel, Pharm.D., Associate Chief Pharmacy Officer, Central Pharmacy Services, Duke University Hospital, Durham, N.C.

Discussion Topics:

- Optimization strategies for the pharmacy revenue cycle
- How pharmacies can generate new revenue
- Site of care infusion carve-outs and strategies to manage affected revenue

11:45 a.m. - 1:15 p.m.

West Hall C, Level 2

Networking & Poster Session: Emergency Medicine

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Aimee Mishler, Pharm.D., BCPS, Emergency Medicine Pharmacist, Maricopa Medical Center, Phoenix, Ariz.

Discussion Topics:

- Emergency medicine pharmacist's role in drug shortage management
- Minimizing risk of opioid exposure and dependence in the emergency department
- Sepsis CMS Core Measures (Sep-1): strategies for compliance and overcoming barriers
- Incorporating social media and innovative web references into everyday practice and teaching
- Strategies for incorporating new reversal agents and unknown agent bleeds in anticoagulated patients

12:30 p.m. - 1:30 p.m.

W104, Level 1

Networking Session: Clinical Leadership

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Linda Gore Martin, Pharm.D., M.B.A., BCPS, FASHP, Professor Emeritus, University of Wyoming, Laramie, Wyo

Discussion Topics:

- Peer review in privileging
- Using stewardship programs to measure pharmacist value
- Measuring value of pharmacists in innovative roles
- Measuring performance and value with patient-reported outcomes

12:30 p.m. - 1:30 p.m.

W105, Level 1

Networking Session: OR Pharmacy

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Tricia Meyer, Pharm.D., M.S., FASHP, FTSHP-Regional Director, Scott & White Temple Medical Center, Temple, Texas

Discussion Topics:

- Regulatory topics
- Restricting high-cost drugs
- Evidence and outcomes on non-opioid medications

12:30 p.m. - 1:30 p.m.

W101, Level 1

Networking Session: Opioid Use Reduction and Naloxone Discharge Dispensing

Hosted by the Section of Pharmacy Practice Managers

Facilitator: Charlene Hope, Pharm.D., M.S., BCPS, CPPS, Director of Pharmacy, MacNeal Hospital, Berwyn, Ill.

Discussion Topics:

- Strategies to decrease use of opioids in the emergency department and procedural settings
- Developing a naloxone dispensing program upon discharge from hospital
- Measures for tracking success of a naloxone-dispensing program

1:30 p.m. - 3:00 p.m.

West Hall C, Level 2

Networking & Poster Session: Critical Care

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: James Gilmore, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist, Brigham and Women's Hospital, Boston, Mass.

Discussion Topics:

- Dexmedetomidine
- Approaches to catecholamine-resistant shock
- Data-driven practice in the ICU
- Delirium management and prevention: antipsychotic use and sleep promotion

2:30 p.m. - 3:30 p.m.

W105, Level 1

Networking Session: Technician Workforce

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Bryan Shaw, Pharm.D., Pharmacy Analytics Manager, Vizient, Saint Louis, Mo.

Discussion Topics:

- Pharmacy technician engagement and growth strategies
- Novel pharmacy technician roles and learning points
- What keeps a pharmacy technician up at night?

2:30 p.m. - 3:30 p.m.

W101, Level 1

Networking Session: Hematology/Oncology

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Marco Martino, Pharm.D., M.B.A., BCOP, BCPS, Operations Team Lead (Hematology/ Oncology), Northwestern Memorial Hospital, Chicago, Ill.

Discussion Topics:

- USP <800>
- Compassionate use/white bag medications
- Expanded role of pharmacy technicians
- Role of investigational drug services in oncology

2:30 p.m. - 3:30 p.m.

W104, Level 1

Networking Session: Infectious Diseases

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Jamielynn Sebaaly, Pharm.D., BCPS, Assistant Professor of Pharmacy, Wingate University School of Pharmacy, Wingate, N.C.

Discussion Topics:

- Expediting discharge through ID intervention
- Pros and cons of vancomycin dosing using area under the curve (AUC)
- Management of drug allergies
- New hospital-acquired and ventilator-associated pneumonia (HAP/VAP) guidelines
- Advancing antimicrobial stewardship using electronic medical records and other technologies

3:30 p.m. - 5:00 p.m.

West Hall C, Level 2

Networking & Poster Session: Ambulatory Care Clinical Practice Advancement

Hosted by the Section of Ambulatory Care Practitioners

Facilitator: Jen Davis, Pharm.D., M.B.A., Director, Ambulatory Pharmacy Services, Allegheny Health Network, Pittsburgh, Pa.

Discussion Topics:

- Credentialing
- Methods of reporting (e.g., IT, senior executives)
- Incorporating telehealth into practice
- Working with quality and safety departments to monitor outcomes

5:00 p.m. - 6:30 p.m.

W202 C, Level 2

Networking Reception: LGBTQ

ASHP is hosting an LGBTQ professional networking event to provide meeting attendees the chance to gather, connect, and learn about ASHP's activities to promote LGBTQ patient-centered care.

MONDAY, DECEMBER 4

11:15 a.m. - 12:15 p.m. W314 A, Level 3

Networking Session: Clinical Decision Support and Analytics

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: Kerry A. Goldrosen, Pharm.D., Clinical Informatics Pharmacist, UW Health, Madison, Wis.

Discussion Topics:

- Advances in pharmacogenomics clinical decision support
- Dose standardization strategies
- Drug-drug interaction governance

11:15 a.m. - 12:15 p.m. W307 B, Level 3

Networking Session: Home Infusion

Hosted by the Section of Ambulatory Care Practitioners

Facilitator: Don Filibeck, Pharm.D., M.B.A., FASHP, Vice President, Pharmacy Operations, BrivoRx Infusion Services, Lenexa, Kan.

Discussion Topics:

- New issues and perspectives in the operational, regulatory, and clinical concerns of home infusion

11:15 a.m. - 12:15 p.m. W308 B, Level 3

Networking Session: Shared Services in Multi-Hospital Organizations

Hosted by the Section of Pharmacy Practice Managers

Facilitator: Cindy Williams, B.S.Pharm., FASHP, Vice President/Chief Pharmacy Officer, Riverside Health System, Williamsburg, Va.

Discussion Topics:

- Regulatory challenges to optimizing shared services
- Selecting which shared services to develop/invest in
- Pros and cons for individual sites and how to best manage

11:15 a.m. - 12:15 p.m. W304 F, Level 3

Networking Session: Pharmacogenomics and Other Emerging Sciences

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: John Petrich, B.S.Pharm., M.S., Investigational Drug Service Manager, Cleveland Clinic, Cleveland, Ohio

Discussion Topics:

- Biosimilar use
- Expanding use of immunotherapy
- Expanding use of pharmacogenomics
- Treatment and prevention in neurodegenerative disease
- Gene therapy

11:15 a.m. - 12:15 p.m. W312 A, Level 3

Networking Session: Pharmacy Practice Experiences

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Lei Tang, Pharm.D., M.B.A., Clinical Pharmacist, Aurora Health Care, Milwaukee, Wis.

Discussion Topics:

- Teaching critical thinking & problem-solving skills to improve student confidence
- Integrating students/residents into clinical practice settings
- Providing feedback
- Creating meaningful student portfolios

11:15 a.m. - 12:15 p.m. W304 B, Level 3

Networking Session: Psychology/Neurology

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Jennifer Alastanos, Pharm.D., BCPP, Clinical Pharmacist, Morton Plant North Bay Hospital, Lutz, Fla.

Discussion Topics:

- Clinical considerations in the management of transgender patients
- Clozapine risk evaluation and mitigation strategies (REMS)
- New treatment options in the management of tardive dyskinesia
- The opioid epidemic and other emerging drugs of abuse

11:15 a.m. - 12:15 p.m. W311 B, Level 3

Networking Session: Women in Pharmacy Leadership

Facilitators:

Sharon Murphy Enright, B.S.Pharm., M.B.A., EnvisionChange, LLC, Atlanta, Ga.

Sara J. White, M.S., FASHP, Mountain View, Calif.

Discussion Topics:

- Connecting with experienced successful women leaders and benefiting from their experiences and stories
- Working successfully in today's healthcare environment
- Working successfully with men and women, and support and sponsorship of other women
- Integrating personal and career life

12:30 p.m. - 1:30 p.m. W304 F, Level 3

Networking Session: Anticoagulation

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Anne Rose, Pharm.D., Pharmacy Manager Patient Care Services: Internal Medicine, Cardiology and Anticoagulation Stewardship, Pharmacy Department, University of Wisconsin Hospital and Clinics, Madison, Wis.

Discussion Topics:

- Pulmonary embolism response teams
- Xa concentration levels and their utility in practice with direct-acting oral anticoagulants (DOAC)
- Anticoagulation stewardship
- Low dose prothrombin complex concentrate (PCC) for warfarin reversal
- Clinical controversies

12:30 p.m. - 1:30 p.m.

W314 A, Level 3

Networking Session: Clinical Applications

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: Samm Anderegg, Pharm.D., M.S., BCPS, CEO, DocStation, Austin, Texas

Discussion Topics:

- Mobile applications, artificial intelligence, and incorporation into the electronic health record (EHR)
- Cybersecurity risks and mitigation
- Informatics across the continuum of care: transitions, specialty pharmacy, ambulatory, and acute care
- Leveraging technology to improve care and services

12:30 p.m. - 1:30 p.m.

W304 B, Level 3

Networking Session: Geriatrics

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: John Roefaro, Pharm.D., FASHP, Clinical Pharmacy Specialist, VA Boston Healthcare System, Boston, Mass.

Discussion Topics:

- Expansion of PGY2 geriatric pharmacy residency programs
- Coadministration of urinary anticholinergic agents and acetylcholinesterase inhibitors
- Deprescribing for the elderly patient
- Aspirin use in the elderly

12:30 p.m. - 1:30 p.m.

W308 B, Level 3

Networking Session: Innovating in Pharmacy Practice

Hosted by the Section of Pharmacy Practice Managers

Facilitator: Michael Jakubecz, B.S.Pharm., M.B.A., Director of Pharmacy, Cleveland Clinic Hillcrest Hospital, Mayfield Heights, Ohio

Discussion Topics:

- Ambulatory pharmacy practice
- Clinical pharmacy practice
- Pharmacy operations
- Regulatory/patient safety

12:30 p.m. - 1:30 p.m.

W307 B, Level 3

Networking Session: Nutrition Support

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Andrew Mays, Pharm.D., CNSC, Clinical Pharmacy Specialist – Nutrition Support, University of Mississippi, Jackson, Miss.

Discussion Topics:

- Incorporating alternative intravenous lipid emulsions into your practice
- Parenteral nutrition and electronic health record (EHR) functionality
- A.S.P.E.N. Parenteral Nutrition Safety Consensus Recommendations
- A.S.P.E.N./SCCM guidelines for the provision and assessment of nutrition support therapy in the pediatric critically ill patient

12:30 p.m. - 1:30 p.m.

W312 A, Level 3

Networking Session: Pain Management and Palliative Care

Hosted by the Section of Ambulatory Care Practitioners

Facilitators:

Maria Foy, Pharm.D., BCPS, CPE, Patient Care Coordinator, Palliative Care, Abington Jefferson Health, Abington, Pa.

Tanya Uritsky, Pharm.D., BCPS, Clinical Pharmacy Specialist Pain Management and Palliative Care, Hospital of the University of Pennsylvania, Bryn Mawr, Pa.

Discussion Topics:

- Ethical considerations in palliative care
- Opioid-use disorders & access issues or restrictions
- Medical marijuana
- Functional Pain Scale
- GI-related issues/peripherally acting mu-opioid receptor antagonists (PAMORA)
- Brainstorming for residency program directors

TUESDAY, DECEMBER 5

11:15 a.m. - 12:15 p.m.

W311 B, Level 3

Networking Session: Ambulatory Care Medication Management

Hosted by the Section of Ambulatory Care Practitioners

Facilitator: Robin Cooke, Pharm.D., B.S., CGP, FASCP, Assistant Professor of Clinical Sciences, Fred Wilson School of Pharmacy, High Point University, High Point, N.C.

Discussion Topics:

- Medication therapy management (MTM) in community and ambulatory settings
- Opportunities for collaboration between settings through MTM
- Involvement of ancillary personnel to facilitate MTM communication

11:15 a.m. - 12:15 p.m.

W308 B, Level 3

Networking Session: Change Management

Hosted by the Section of Pharmacy Practice Managers

Facilitator: William Kernan, Pharm.D., M.B.A., Director of Pharmacy Services, Cleveland Clinic Florida, Weston, Fla.

Discussion Topics:

- Common challenges and barriers to pharmacy change management
- Methods and best practices for enabling change both at the hospital and enterprise level
- New opportunities for significant change within pharmacy

11:15 a.m. - 12:15 p.m. W304 B, Level 3

Networking Session: Immunology/Transplant

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Nicole Pilch, Pharm.D., BCPS, MSCR, Director of Transplant Quality and Outcomes, Medical University of South Carolina, Charleston, S.C.

Discussion Topics:

- Leveraging the cost report for more full-time equivalents
- Discharge medications and specialty pharmacies
- Outpatient roles and information sharing

11:15 a.m. - 12:15 p.m. W307 B, Level 3

Networking Session: Pharmacoeconomics and Drug Policy Development

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Karen Whalen, B.S.Pharm., BCPS, Drug Information Pharmacist, St. Joseph’s Hospital, Syracuse, N.Y.

Discussion Topics:

- Impact of insulin safety measures on rates of hyper- and hypoglycemia
- Budget busters and cost-savings initiatives
- Balancing adequate use of benzodiazepines for prevention of alcohol withdrawal against risk for oversedation and falls

11:15 a.m. - 12:15 p.m. W304 F, Level 3

Networking Session: Primary Care/ Pharmacotherapy

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: M. Shawn McFarland, Pharm.D., BCACP, FCCP, Associate Service Chief of Pharmacy, Clinical & Educational Programs, VA Tennessee Valley Healthcare System, Murfreesboro, Tenn.

Discussion Topics:

- Initiation of newer hyperglycemic agents: glucagon-like peptide(GLP)-1 receptor agonists, sodium-glucose co-transporter 2 (SGLT2 inhibitors)
- Evaluation of initial and ongoing competencies for a pharmacist under a collaborative practice agreement
- Innovative approaches to utilization of the ambulatory care clinical pharmacist in chronic pain management
- Telehealth and the ambulatory care pharmacist

11:15 a.m. - 12:15 p.m. W312 A, Level 3

Networking Session: Small and Rural Hospitals

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Emily Alexander, Pharm.D., BCPS, FASHP, Consultant – Telepharmacy/Pharmacy Practice, Alpine, Texas

Discussion Topics:

- Medication safety programs/opportunities
- Approaches to antibiotic stewardship and meeting new standards
- Strategic use of technology to improve patient care

12:30 p.m. - 1:30 p.m. W312 A, Level 3

Networking Session: Ambulatory Care: Building for the Future

Hosted by the Section of Ambulatory Care Practitioners

Facilitator: Zach Weber, Pharm.D., BCACP, BCPS, CDE, Director of Interprofessional Education and Clinical Associate Professor, Purdue College of Pharmacy, Indianapolis, Ind.

Discussion Topics:

- Basic ambulatory care principles for new practitioners
- Optimizing workflow: appointment models and using learners or support staff
- Building interdisciplinary relationships
- Implementing chronic care management services
- Exploring future direction of ambulatory care practice

12:30 p.m. - 1:30 p.m. W304 B, Level 3

Networking Session: Cardiology

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Mary Parker, Pharm.D., BCPS-AQ Cardiology, FASHP, FCCP, Clinical Pharmacy Specialist, Durham VA Medical Center, Durham, N.C.

Discussion Topics:

- Expanding the role(s) for Proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitors
- New avenues to improve patient care for patients with cardiovascular disease
- Concomitant use of anticoagulants and antiplatelets in patients with cardiovascular disease
- Direct-acting oral anticoagulants (DOAC) use for cardiovascular indications in periprocedural periods
- Credentialing and privileging of cardiology pharmacists

12:30 p.m. - 1:30 p.m. W311 B, Level 3

Networking Session: Medication Safety

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Katayoon (Kathy) Ghomeshi, Pharm.D., M.B.A., BCPS, CPPS, Medication Safety Specialist, UCSF Medical Center, San Francisco, Calif., and Health Sciences Assistant Clinical Professor, UCSF School of Pharmacy, San Francisco, Calif.

Discussion Topics:

- Enteral feeding and neuraxial connectors planning and implementation
- Safety strategies and medication error prevention in procedural areas
- Utilizing pharmacy data for safety and quality improvement

12:30 p.m. - 1:30 p.m.

W308 B, Level 3

Networking Session: Operations and Automation

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: David Aguero, Pharm.D., Manager, Pharmacy Operations and Technology, St. Jude Children's Research Hospital, Memphis, Tenn.

Discussion Topics:

- Safe use of automated dispensing devices
- Systematic approaches to updating smart pump drug libraries
- Use of systems to comply with CMS/Joint Commission/DNV/NIOSH guidelines

WEDNESDAY, DECEMBER 6

11:15 a.m. - 12:15 p.m.

W304 B, Level 3

Networking Session: Informatics Professional Development

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: Anna Dreger, R.Ph., Informatics Pharmacist, HealthEast Care System, Midway Campus, St. Paul, Minn.

Discussion Topics:

- Overcoming challenges in informatics residency programs
- Methods to teach human factors in informatics residency
- Teaching informatics to students and PGY1 residents on rotation
- Plans for the new PGY2 competency areas, goals, and objectives●

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EDUCATIONAL SESSIONS

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted. All educational sessions listed here are available for continuing pharmacy education unless otherwise noted.

Sunday DECEMBER 3

8:30 a.m. - 10:30 a.m.

W204 C, Level 2

■ Innovations in Drug Information Practice and Research 2017

ACTIVITY #0204-0000-17-316-L04-P
2.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Patrick M. Malone, Pharm.D., FASHP**, Associate Dean of Internal Affairs, The University of Findlay, Findlay, Ohio

Learning Objectives:

- Describe new services and methods used by drug information specialists and centers.
- Design a system to apply such new services and methods in their situations.
- Evaluate the importance of the new services and methods in their practice environments.

Presenters:

Thomas M. Ellington, Pharm.D., M.A., Associate Professor of Pharmacy Practice, Shenandoah University, Bernard J. Dunn School of Pharmacy, Winchester, Va.

Conor T. Hanrahan, Pharm.D., BCPS, Manager, Drug Information Services, Intermountain Healthcare, Salt Lake City, Utah

Anna Marie Morlino, Pharm.D., B.A., Drug Information Pharmacist, Thomas Jefferson University Hospital, Philadelphia, Pa.

Mary Frances Picone, Pharm.D., PGY1 Pharmacy Practice Resident/PGY2 Drug Information Resident, Medical University of South Carolina, Charleston, S.C.

Anthony Trovato, Pharm.D., PGY2 in Drug Information, University of Utah Health, Salt Lake City, Utah

9:00 a.m. - 10:00 a.m.

W414 B, Level 4

■ Inside the VA: Multifaceted Approach to Combating the Opioid Crisis

ACTIVITY #0204-0000-17-329-L04-P/0204-0000-17-329-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Thomas Emmendorfer, Pharm.D.**, Deputy Chief Consultant, Pharmacy Benefits Management Services, Department of Veterans Affairs, Washington, D.C.

Learning Objectives:

- Describe the VA Opioid Safety Initiative.
- List outcomes that have been associated with the opioid safety initiative.
- Describe current and future initiatives with the Opioid Safety Initiative.
- Discuss challenges that complicate attempts to decrease opioids in healthcare systems.

Presenters:

Thomas Emmendorfer, Pharm.D.

Chester "Bernie" Good, M.D., M.P.H., Chair, Medical Advisory Panel for Pharmacy Benefits Management, Department of Veterans Affairs, Pittsburgh, Pa.

9:30 a.m. - 11:00 a.m.

W209 A, Level 2

■ Current Considerations for Meeting the ISMP Standard for Gravimetric Preparation

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-318-L07-P/0204-0000-17-318-L07-T
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Lindsey B. Amerine, Pharm.D., M.S., BCPS**, Assistant Director of Pharmacy, University of North Carolina Medical Center, Chapel Hill, N.C.

Learning Objectives:

- Differentiate between volumetric and gravimetric preparation techniques.
- Describe the implementation of gravimetric technique to meet ISMP's best practice recommendation.
- Apply metrics with gravimetric technique that improve accuracy for chemotherapy preparations.

Presenters:

Lindsey B. Amerine, Pharm.D., M.S., BCPS

Kelley Reece, Pharm.D., Assistant Pharmacy Manager, The University of Texas MD Anderson Cancer Center, Houston, Texas

9:30 a.m. - 11:00 a.m.

W208 A, Level 2

■ Preceptors in Training: Powering Up to Precept

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-341-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: **Holly Byrnes, Pharm.D., BCPS**, Associate Professor and Residency Program Coordinator, Sullivan University College of Pharmacy, Louisville, Ky.

Learning Objectives:

- Define residency accreditation standards in relation to preceptors in training.
- Select potential preceptors-in-training.
- Develop a plan to transition a preceptor-in-training to a full preceptor.
- Assess development needs of potential preceptors-in-training.

Presenters:

Patrick Fuller, Pharm.D., BCPS, FASHP, Pharmacy Staff Development Coordinator, Nebraska Medicine, Omaha, Neb.

Michelle W. McCarthy, Pharm.D., FASHP, Director, Medication Use Policy and Compliance, Director PGY1 Pharmacy and PGY2 Drug Information Residency Programs, University of Virginia Health System, Charlottesville, Va.

Hina Patel, Pharm.D., BCPS, PGY1 Pharmacy Residency Program Director, NorthShore University HealthSystem, Evanston, Ill.

10:30 a.m. - 11:30 a.m.

W414 B, Level 4

■ View from the Top: The Impact of The Joint Commission's Standards on Pain Management

ACTIVITY #0204-0000-17-343-L03-P

1.00 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Deborah A. Pasko, Director, Medication Safety & Quality, ASHP, Bethesda, Md.

Learning Objectives:

- Review changes to The Joint Commission standards on pain management.
- Discuss the concept of stewardship as applied to pain management.
- Identify key collaborative communication strategies for physicians and pharmacists to enhance patient safety in the pain management process.

Presenter: David W. Baker, M.D., M.P.H. FACP, Executive Vice President, Healthcare Quality Evaluation, The Joint Commission, Oakbrook Terrace, Ill.

11:00 a.m. - 12:30 p.m.

W204 C, Level 2

■ Hot Topics in USP Standards: Targeting Success with USP <797>, <795>, <800>

Planned in cooperation with the United States Pharmacopeial Convention

ACTIVITY #0204-0000-17-326-L03-P/0204-0000-17-326-L03-T

1.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Jami Earnest, Pharm.D., M.S.-HQS, BCPP, Head, Health Care Quality & Safety, Strategic Marketing and Program Operations, United States Pharmacopeia, Rockville, Md.

Learning Objectives:

- Describe how the key elements of UPS <795>, <797>, and <800> standards impact both patient and provider safety.

- Identify strategies that lead to successful organizational planning, training, and operationalization that comply with USP <795>, <797>, and <800>.
- Given example institutions that have been successful in preparing and passing external compliance audits, discuss common audit findings and compliance expectations.
- Recognize institutional best practices for preparing and passing external compliance audits.
- Define strengths and challenges in your own healthcare organization for successful implementation of USP <795>, <797>, and <800>.

Presenters:

Robert C. Campbell, Pharm.D., Field Surveyor, The Joint Commission, Oak Brook Terrace, Ill.

Stephen Fecteau, B.S.Pharm., M.S.A., Manager of Medication Use, Quality, and Patient Safety, Henry Ford Macomb Hospital, Clinton Township, Mich.

Jeanne Sun, Pharm.D., Scientific Liaison, United States Pharmacopeial Convention, Rockville, Md.

11:30 a.m. - 1:00 p.m.

W209 A, Level 2

■ Creating and Sustaining Ambulatory Care Practices for the Medically Underserved

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners and the ASHP Section Advisory Group on Compensation and Practice Sustainability

ACTIVITY #0204-0000-17-319-L04-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Zachary Weber, Pharm.D., BCACP, BCPS, CDE, Director of Interprofessional Education, Purdue College of Pharmacy, Indianapolis, Ind.

Learning Objectives:

- Discuss legislation related to providing care for medically underserved communities.
- Identify successful ambulatory care practice models in medically underserved communities.
- List resources used to support the development or expansion of pharmacy practice models for the medically underserved.
- Discuss strategies for developing or expanding sustainable models for the medically underserved.
- Develop a SWOT analysis for establishing or expanding an ambulatory care practice for the medically underserved.

Presenters:

Jaclyn Boyle, Pharm.D., M.S., M.B.A., BCPS, Assistant Professor of Community Pharmacy Innovation, Northeast Ohio Medical University, Rootstown, Ohio

Fei Wang, Pharm.D., M.Sc., BCPS, FASHP, TTS, Associate Clinical Professor, University of Connecticut School of Pharmacy, Storrs, Conn.

Zachary Weber, Pharm.D., BCACP, BCPS, CDE

11:30 a.m. - 1:00 p.m. W208 A, Level 2

Teaching Continuing Professional Development: A Guide to Life-Long Learning for Pharmacist Preceptors

Planned in cooperation with the Accreditation Council for Pharmacy Education CPD Steering Committee

ACTIVITY #0204-0000-17-320-L04-P/0204-0000-17-320-L04-T
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Jennifer L. Baumgartner, Pharm.D., BCPP, Assistant Director, CPE Provider Accreditation, Accreditation Council for Pharmacy Education, Chicago, Ill.

Learning Objectives:

- Describe the continuing professional development (CPD) cycle and the rationale for using it to establish a dynamic plan for preceptor development.
- Review the literature and guidelines to support the importance of lifelong learning in pharmacists and student pharmacists.
- Develop a CPD plan to specifically enhance the knowledge and skills of preceptors.
- Develop a plan to educate student pharmacists on the CPD cycle.

Presenters:

Jennifer L. Baumgartner, Pharm.D., BCPP
Jennifer Moulton, B.S.Pharm., Chief Executive Officer, The Collaborative Education Institute, Des Moines, Iowa
Toyin Tofade, Pharm.D., M.S., BCPS, CPCC, Dean, Howard University College of Pharmacy, Washington, D.C.

1:15 p.m. - 1:45 p.m. W204 C, Level 2

(Management Case Study) Advancing Medication Therapy Services in a Pediatric Ambulatory Clinic

ACTIVITY #0204-0000-17-351-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Allison King, Pharm.D., IDS Pharmacist, PGY1 Residency Coordinator, Children’s Mercy Hospital, Kansas City, Mo.

Learning Objectives:

- Describe the medication therapy service and how it positively impacts patient care in the clinic.
- List the steps involved in designing and implementing medication therapy services.
- Describe future site and state of medication therapy services in a clinic.

Presenter:

Richard K. Ogden Jr., Pharm.D., M.B.A., BCPS, Assistant Director of Pharmacy, Children’s Mercy Hospital, Kansas City, Mo.

2:00 p.m. - 2:30 p.m. W204 C, Level 2

(Management Case Study) Changing the Pharmacy Practice Model to Advance Innovative Outcomes

ACTIVITY #0204-0000-17-352-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Nicole Clark, Pharm.D., M.H.A., BCPS, DPLA, Pharmacy Clinical Practice and Education Manager, Hallmark Health System, Medford, Mass.

Learning Objectives:

- Describe how a new practice model supports pharmacy growth.
- List several ways collaboration with the medical staff created innovative models.
- Explain the organizational strategy alignment with departmental programs supporting innovative approaches.

Presenters:

Scott Persson, Pharm.D., BCPS, Clinical Manager, Bryan Medical Center, Lincoln, Neb.
Jerome Wohleb, Pharm.D., M.B.A., FASHP, FAzPA, Pharmacy Services Director, Bryan Health, Lincoln, Neb.

2:00 p.m. - 3:30 p.m. W208 A, Level 2

This Is Going to Hurt! Current Debates in Pain Management

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-321-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair: Daniel Abazia, Pharm.D., BCPS, CPE, Clinical Assistant Professor, Ernest Mario School of Pharmacy, Piscataway, N.J.

Moderator: Tanya J. Uritsky, Pharm.D., BCPS, Clinical Pharmacy Specialist Pain and Palliative Care, Hospital of the University of Pennsylvania, Philadelphia, Pa.

Learning Objectives:

- Evaluate treatment safety and efficacy of COX-2 inhibitors for the management of chronic pain.
- Interpret current literature regarding the benefits and burdens of medicinal versus recreational cannabis.
- Apply the CDC guidelines for prescribing opioids for chronic pain to health-system pharmacy practice.

Presenters:

Daniel Abazia, Pharm.D., BCPS, CPE
Christopher Herndon, Pharm.D., FASHP, Professor, Southern Illinois University Edwardsville, Edwardsville, Ill.
Mary Lynn McPherson, Pharm.D., M.A., MDE, BCPS, CPE, Professor, University of Maryland School of Pharmacy, Baltimore, Md.

1:00 p.m. - 5:15 p.m.

The ASHP 2017 Federal Forum

This keynote session will provide an educational venue for pharmacists and pharmacy technicians to hear directly from a renowned national pharmacy leader, who will describe and discuss trends in healthcare that will affect pharmacy in the next five years. The program will emphasize the importance of strategic planning as an activity essential to the success of health-system pharmacy. The session will conclude with the opportunity for audience interaction (Q&A).

Moderator: Randy Dorsey, Pharm.D., Colonel, U.S. Army, and Chief, Department of Pharmacy, Martin Army Community Hospital, Fort Benning, Ga.

1:00 p.m. - 1:30 p.m.

W414 B, Level 4

Welcome Event

1:30 p.m. - 2:30 p.m.

W414 B, Level 4

Federal Forum Keynote: Leading Through Chaos — Forecasting and Strategic Planning for Pharmacy Executives

ACTIVITY #0204-0000-17-309-L04-P/0204-0000-17-309-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair: William M. (Mike) Heath, R.Ph., M.B.A.,
President and CEO, Heath Healthcare Consulting,
Lexington, Ky.

Learning Objectives:

- Describe the current U.S. healthcare environment and its impact on the delivery of care.
- Discuss the importance of forecasting and strategic planning as a critical task for health-system pharmacists and pharmacy technicians.
- List specific examples of how pharmacists and pharmacy technicians can improve the quality of care delivered.

Featured Speaker:

**Lee Vermeulen, B.S.Pharm.,
M.S., FCCP, FFIP,** Professor
of Medicine and Pharmacy,
University of Kentucky,
Lexington, Ky.



2:30 p.m. - 3:30 p.m.

W414 B, Level 4

The Next Metamorphosis of Clinical Pharmacy: Addressing the Opioid Crisis with Academic Detailing and Data Analytics for Population Management

ACTIVITY #0204-0000-17-310-L04-P
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair: William M. (Mike) Heath, R.Ph., M.B.A.,
President and CEO, Heath Healthcare Consulting,
Lexington, Ky.

Learning Objectives:

- Describe what traditional academic detailing is and how it differs in the VA compared to using audit and feedback techniques, motivational interviewing, along with practice facilitation.
- Discuss how academic detailing's focus on behavior change is explicitly designed to address the complexities of the opioid crisis within the VA system.
- Explore how clinical pharmacists leverage analytics coupled with educational efforts such as academic detailing to drive change and improve health outcomes for patients.

Presenters:

Melissa L. Christopher, Pharm.D., National Director,
Pharmacy Benefits Management Academic Detailing
Services, Veterans Health Administration, San Diego, Calif.
Marcos Lau, Pharm.D., M.S., BCPS, National Clinical
Program Manager, U.S. Department of Veterans Affairs,
Hines, Ill.

3:45 p.m. - 5:15 p.m.

West Hall B4, Level 2

Federal Forum: Meet the Researchers Poster Presentations 2017

ACTIVITY #0204-0000-17-311-L04-P/0204-0000-17-311-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Identify emerging issues in the profession of pharmacy.
- Discuss current and cutting-edge research.
- Describe key elements to evaluate a research project.

2:00 p.m. - 3:30 p.m.

W209 A, Level 2

Medication Safety Fatigue? Pragmatic Actions for the Clinical Practitioner

Planned in cooperation with the American Pharmacists Association

ACTIVITY #0204-9999-17-322-L05-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

Program Chair/Moderator: James M. Hoffman, Pharm.D., M.S., BCPS, FASHP, Chief Patient Safety Officer, Associate Member, Pharmaceutical Sciences, St. Jude Children’s Research Hospital, Memphis, Tenn.

Learning Objectives:

- Identify the features of a high-reliability organization.
- List specific practices that can be used to promote high reliability in health systems.
- Formulate effective improvement actions and measurement plans in root cause analysis.
- Recommend key structures, processes, and techniques to improve clinical decision support and reduce safety alert fatigue.
- Select specific behaviors and actions to effectively contribute to health-system efforts to improve medication safety.

Presenters:

James M. Hoffman, Pharm.D., M.S., BCPS, FASHP
Bryan D. Lizza, Pharm.D., BCCCP, BCPS, Clinical Pharmacist – Critical Care, Department of Pharmacy, Northwestern Medication, Chicago, Ill.

For more information, see page 34.

2:45 p.m. - 3:15 p.m.

W204, Level 2

(Management Case Study) Implementation of a Credentialing and Privileging Process for Pharmacists Practicing under Collaborative Practice Agreements: Two Years Later

ACTIVITY #0204-0000-17-353-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Laura Traynor, Pharm.D., BCPS, Associate Professor, Concordia University School of Pharmacy, Mequon, Wis.

Learning Objectives:

- Discuss quality and compliance considerations when pharmacists practice under Collaborative Practice Agreements (CPAs).
- Summarize privileging requirements to consider when privileging pharmacists to practice under CPAs.
- Identify potential barriers to implementing a robust, pharmacy department-based credentialing and privileging process.

Presenter:

Ryan P. Fleming, Pharm.D., Manager, Thrombosis Service, University of Utah Health, Salt Lake City, Utah

3:30 p.m. - 4:00 p.m.

W204 C, Level 2

(Management Case Study) Development and Outcomes of a Layered Learning Model in a Small Community Hospital

ACTIVITY #0204-0000-17-354-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Cher Enderby, Pharm.D., BCPS, BCNSP, Coordinator, Education and Staff Development, and PGY1 Residency Director, Mayo Clinic, Jacksonville, Fla.

Learning Objectives:

- Describe the need for expanding advanced roles for pharmacists in smaller, community hospitals.
- Compare strategies for the use of trainees to fulfill advanced roles and drive the practice of pharmacy forward.
- Outline a plan to aid in diminishing preceptor workload and avoid burnout.

Presenter:

Mate M. Soric, Pharm.D., BCPS, Vice Chair, Practice-Based Research, Northeast Ohio Medical University College of Pharmacy, Rootstown, Ohio

4:00 p.m. - 5:15 p.m.

W209 A, Level 2

Are You Really Allergic to Penicillin? Effectively Managing Self-Reported Cases

Planned in cooperation with the Society of Infectious Diseases Pharmacists and the American College of Clinical Pharmacy Infectious Diseases Practice and Research Network

ACTIVITY #0204-0000-17-323-L01-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Christopher M. Bland, Pharm.D., BCPS, FCCP, FIDSA, Clinical Associate Professor, University of Georgia College of Pharmacy, Savannah, Ga.

Learning Objectives:

- Discuss the role of penicillin skin testing as a modality for allergy clarification.
- Describe the role of penicillin skin testing for antimicrobial stewardship efforts in inpatient settings.
- Review the current literature demonstrating effectiveness of penicillin skin testing as an antimicrobial stewardship initiative.
- Develop a penicillin skin testing program for your institution.

Presenters:

Christopher M. Bland, Pharm.D., BCPS, FCCP, FIDSA
Emily L. Heil, Pharm.D., AAHIVP, BCPS-AQ ID, Assistant Professor, University of Maryland School of Pharmacy, Baltimore, Md.
Bruce M. Jones, Pharm.D., BCPS, Infectious Diseases Clinical Pharmacy Specialist, St. Joseph’s/Candler Health System, Savannah, Ga.

4:00 p.m. - 5:15 p.m.

W208 A, Level 2

■ Maximizing the Impact of Pharmacists as Clinician Educators: How to Connect with and Engage Your Audience

ACTIVITY #0204-0000-17-324-L04-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Define the role of the pharmacist as a clinician educator.
- Describe the value of presentation delivery of subject content or quality of visual aids.
- Examine presenter attributes that build rapport, establish credibility, and engage an audience.
- Compare and contrast presentation elements that add or detract from optimized learning and engagement.
- Describe ways to avoid common pitfalls when speaking.

Presenter:

Lindsay Davis, Pharm.D., ASH-CHC, BCPS, FAzPA, TTS, Associate Professor, Midwestern University College of Pharmacy – Glendale, Glendale, Ariz.

4:15 p.m. - 4:45 p.m.

W204 C, Level 2

■ (Management Case Study) Justifying Resources for the Practice Advancement Initiative

ACTIVITY #0204-0000-17-355-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Luke Miller, Pharm.D., BCPS, Clinical Pharmacist, St. Vincent's HealthCare, Jacksonville, Fla.

Learning Objectives:

- Describe the steps in the journey to justify a new clinical program, service, or personnel.
- Outline the components of a successful business plan.
- List the key factors of the financial return on investment analysis.

Presenter:

Kimberly A. Boothe, Pharm.D., M.H.A., Associate Director, Clinical Pharmacy Services, Yale New Haven Health, Monroe, Conn.

Monday

DECEMBER 4

11:15 a.m. - 12:15 p.m.

W207 A, Level 2

ACPE Update 2017

Planned in cooperation with the Accreditation Council for Pharmacy Education

NOTE: CE will not be offered with this session.

The Accreditation Council for Pharmacy Education (ACPE) President and Executive Director will present updates on ACPE activities including the state of implementation of the new Professional Degree Program Accreditation Standards (S2016); the status of the Health Professions Accreditors Collaborative; the Continuing Education Provider Accreditation Program, including the growth of the Joint Accreditation for Interprofessional Continuing Education; the status of the ASHP-ACPE Collaboration for Pharmacy Technician Education/ Training Accreditation as well as the recommendations and follow-up actions from the February 2017 Pharmacy Technician Stakeholder Conference; and the growth of the ACPE International Services Program.

Presenters:

Timothy Tucker, Pharm.D., Owner, City Drug Company, Huntingdon, Tenn.

Peter Vlases, Pharm.D., D.Sc. (Hon.), FCCP, Executive Director, Accreditation Council for Pharmacy Education, Chicago, Ill.

2:00 p.m. - 2:30 p.m.

W204 C, Level 2

■ (Management Case Study) Strategies for Implementing a Successful Continuous Quality Assurance Monitoring Process for Charge Capture Accuracy

ACTIVITY #0204-0000-17-356-L04-P/0204-0000-17-356-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Nancy Yam, Pharm.D., M.H.A., BCPS, Senior Pharmacy Manager, UC San Diego Health, San Diego, Calif.

Learning Objectives:

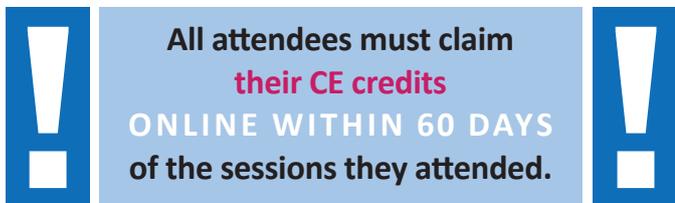
- Identify potential risks for financial losses when transitioning from charge on dispense (COD) to charge on administration (COA).
- Describe challenges when assessing the financial impact of moving from COD to COA.
- Describe methodologies to implement an internal auditing process to monitor charge capture.

Presenters:

Pei Jen Lin, Pharm.D., PGY2 Health-System Pharmacy Administration Resident, Houston Methodist Hospital, Houston, Texas

Daniel L. Metzen, Pharm.D., M.B.A., System Director of Pharmacy Services, Houston Methodist System, Houston, Texas

Alex C. Varkey, Pharm.D., M.S., Director of Pharmacy, Houston Methodist Hospital, Houston, Texas **continues >**



2:00 p.m. - 3:30 p.m.

W208 A, Level 2

Breaking Down the Barriers: Removing the Fear from Feedback

Planned in cooperation with the American Association of Colleges of Pharmacy

ACTIVITY #0204-0000-17-201-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair: Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP, Clinical Professor, University of Wyoming, Laramie, Wyo.

Moderator: Jill Borchert, Pharm.D., BCACP, BCPS, FCCP, Professor and Vice Chair, Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, Ill.

Learning Objectives:

- Differentiate between feedback and evaluations.
- Identify potential challenging learning situations that may arise when precepting pharmacy practice experiences.
- Describe characteristics of constructive feedback and how to deliver it effectively.
- Illustrate effective techniques for evaluating and delivering constructive feedback to resolve difficult learning situations.

Presenters:

Craig D. Cox, Pharm.D., BCPS, FCCP, Associate Professor, Pharmacy Practice, Texas Tech University Health Sciences Center School of Pharmacy, Lubbock, Texas
Shareen Y. El-Ibiary, Pharm.D., BCPS, FCCP, Professor of Pharmacy Practice, Midwestern University, College of Pharmacy-Glendale, Glendale, Ariz.
Craig Martin, Pharm.D., M.B.A., Associate Professor, University of Kentucky, Lexington, Ky.

2:00 p.m. - 3:30 p.m.

W314 A, Level 3

Pharmacy Technicians: Transforming Roles to Cultivate Innovative Pharmacy Practice

Planned in cooperation with the Pharmacy Technician Certification Board

ACTIVITY #0204-0000-17-202-L04-P/0204-0000-17-202-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Angela T. Cassano, Pharm.D., BCPS, FASHP, President, Pharmfusion Consulting, LLC, Midlothian, Va.

Learning Objectives:

- Discuss proceedings from the Pharmacy Technician Stakeholder Consensus Conference.
- List three innovative operational, technical, and/or clinical support roles of pharmacy technicians across integrated health-system pharmacies.
- Identify how to educate, train, and assess competency for advanced patient care support and technical support roles of pharmacy technicians.
- Describe examples of implementation of advanced roles for pharmacy technicians.

Presenters:

Alex J. Adams, Pharm.D., M.P.H., Executive Director, Idaho State Board of Pharmacy, Boise, Idaho
Miriam A. Mobley Smith, Pharm.D., B.S.Pharm., FASHP, Director of Strategic Alliances, Pharmacy Technician Certification Board, Washington, D.C.
Rafael Saenz, Pharm.D., M.S., FASHP, Administrator, Pharmacy Services, University of Virginia Health System, Charlottesville, Va.

2:00 p.m. - 3:30 p.m.

W312 A, Level 3

Watch Your Dollars: Finding Value in Management of High-Cost Formulary Drugs

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-203-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Molly Leber, Pharm.D., BPCS, FASHP, Manager, Drug Use Policy and Formulary Management, Yale New Haven Health, New Haven, Conn.

Learning Objectives:

- Interpret pharmaco-economic analyses in the context of an institutional setting.
- Summarize current guidelines for value frameworks.
- Apply approaches to value assessment in your organization.

Presenters:

Cynthia L. Gong, Pharm.D., Ph.D., Senior Pharmacoeconomics Advisor, Stanford Health Care, Palo Alto, Calif.
Sapna Prasad, Ph.D., M.Sc., Pharmacoeconomic Specialist, Yale New Haven Hospital, New Haven, Conn.
Donna M. Walsh, Pharm.D., Director, Clinical Pharmacy Services, Christiana Care Health System, Newark, Del.

2:00 p.m. - 3:30 p.m.

W307 B, Level 3

Ghosts of the Past, Present, and Future Workflows: Drug-Drug Interaction Alert Fatigue

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-204-L04-P/0204-0000-17-204-L04-T
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Pieter J. Helmons, Pharm.D., Ph.D., MAS, Hospital Pharmacist, St. Jansdal Hospital, Harderwijk, Gelderland, The Netherlands

Learning Objectives:

- Explain the current state of drug-drug interactions (DDIs) across various proprietary platforms.
- Describe the future state of DDIs.
- Compare and contrast rules-based DDIs vs. custom alerts.

Presenters:

Raymond C. Chan, Pharm.D., Pharmacy IS Specialist, Sentara Healthcare, Virginia Beach, Va.

Calvin C. Daniels, Pharm.D., Ph.D., Clinical Pharmacist, Medication Safety and Informatics, St. Jude Children's Research Hospital, Memphis, Tenn.

Pieter J. Helmons, Pharm.D., Ph.D., MAS

2:00 p.m. - 3:30 p.m.

W304 B, Level 3

■ **Sunny Days and Seniors: When Less Is Better in Medication Management**

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-205-L04-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Mollie A. Scott, Pharm.D., BCACP, CPP, FASHP, Regional Associate Dean, UNC Eshelman School of Pharmacy, Candler, N.C.

Learning Objectives:

- Given a case study, assess the risks associated with poly-pharmacy and inappropriate prescribing in older adults, including increased healthcare utilization and impaired function status.
- Apply strategies for effectively communicating with patients and providers about risks and benefits of medications and the role of deprescribing in older adults.
- Employ therapeutic goals for older patients using a shared decision-making approach that is based on patient-specific factors including functional status, patient and family preference, and longevity.

Presenters:

Melanie A. Dodd, Pharm.D., Ph.C., BCPS, FASHP, Associate Professor and Department Vice-Chair, The University of New Mexico College of Pharmacy, Albuquerque, N.M.

Michelle A. Fritsch, Pharm.D., B.S.Pharm., BCACP, BCGP, Founder and CEO, Meds MASH, LLC, Monkton, Md.

Mollie A. Scott, Pharm.D., BCACP, CPP, FASHP

2:00 p.m. - 3:30 p.m.

W209 A, Level 2

■ **Focus on Naloxone: Lifesaver or Addicts' Rescue?**

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-209-L01-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Ernest J. Dole, Pharm.D., Ph.C., BCPS, FASHP, Clinical Pharmacist, University of New Mexico Hospitals and Clinical Associate Professor, University of New Mexico Health Sciences College of Pharmacy, Albuquerque, N.M.

Learning Objectives:

- Apply criteria for co-prescribing naloxone.
- Discuss concerns regarding the co-prescribing of naloxone.
- Select from the available naloxone preparations for a given clinical situation.

See page 133 for presenter disclosures.

Presenter:

Jeffrey Fudin, Pharm.D., B.S., DAIPM, FASHP, FCCP, President and Director, Scientific and Clinical Affairs, Remitigate, LLC, Delmar, N.Y.

2:00 p.m. - 3:30 p.m.

Valencia W415 A, Level 4

■ **Smooth Sailing: Strategic Planning to Navigate Your Pharmacy Future**

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-211-L04-P/0204-0000-17-211-L04-T

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Lindsey Smith, Pharm.D., M.S., Coordinator, Pharmacy Strategic Initiatives, Massachusetts General Hospital, Boston, Mass.

Learning Objectives:

- Compare and contrast strategic vs. tactical planning.
- Identify essential steps and methods in the strategic planning process.
- Apply methods of facilitating a retreat for the development of a strategic plan.
- Discuss effective implementation and utilization methods.

Presenters:

John A. Armitstead, M.S., B.S., FASHP, System Director of Pharmacy, Lee Health, Fort Myers, Fla.

Marianne F. Ivey, Pharm.D., M.P.H., B.S., Professor Emerita, University of Cincinnati, Kenmore (Seattle), Wash.

2:00 p.m. - 3:30 p.m.

Chapin Theater W320, Level 3

■ **Antimicrobial Stewardship Programs: Are We Measuring Up to Our Full Potential?**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the Society of Infectious Diseases Pharmacists

ACTIVITY #0204-0000-17-212-L04-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: N. Jim Rhodes, Pharm.D., M.Sc., BCPS, Assistant Professor, Midwestern University, Downers Grove, Ill.

Learning Objectives:

- Evaluate strategies to achieve programmatic compliance with current regulatory requirements.
- Recommend appropriate analyses to measure antimicrobial consumption.
- Interpret the effect of ASP initiatives on clinical outcomes.

Presenters:

Susan L. Davis, Pharm.D., Associate Professor (Clinical), Wayne State University, Detroit, Mich.

Elizabeth Dodds Ashley, Pharm.D., M.H.S., BCPS-AQ ID, FCCP, Associate Professor, Duke University, Durham, N.C.

N. Jim Rhodes, Pharm.D., M.Sc., BCPS

2:00 p.m. - 3:30 p.m. Valencia W415 D, Level 4

Update on Anticoagulation Reversal

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-214-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCCCP, BCPS

Program Chair/Moderator: Katelyn Dervay, Pharm.D., M.P.H., BCPS, FASHP, Pharmacotherapy Specialist – Emergency Medicine and Director, PGY2 Emergency Medicine Residency, Tampa General Hospital, Tampa, Fla.

Learning Objectives:

- Discuss the indications and clinical considerations for anti-coagulation reversal in the acute care setting.
- Describe the clinical pharmacology of available anticoagulants and reversal agents.
- Evaluate potential agents and strategies for reversal of anti-coagulants, including warfarin, unfractionated heparin, low molecular weight heparin, pentasaccharides, direct thrombin inhibitors, and direct factor Xa inhibitors.

Presenters:

Nicole Acquisto, Pharm.D., Emergency Medicine Clinical Pharmacy Specialist, Department of Pharmacy, University of Rochester Medical Center and Assistant Professor, Department of Emergency Medicine, University of Rochester, Rochester, N.Y.

Bryan D. Hayes, Pharm.D., DABAT, FAACT, FASHP, Clinical Pharmacist, Emergency Medicine and Toxicology, Massachusetts General Hospital, and Assistant Professor of Emergency Medicine, Harvard Medical School, Boston, Mass.

Dinesh Yogaratnam, Pharm.D., BCCCP, BCPS, Assistant Professor, MCPHS University, Worcester, Mass.

For more information, see page 34.

2:00 p.m. - 3:45 p.m. W414 B, Level 4

Battling the Resistance: Diuretic Challenges Across the Spectrum of Heart Failure

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-207-L01-P
1.75 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Snehal Bhatt, Pharm.D., BCPS-AQ Cardiology, FASHP, Associate Professor of Pharmacy Practice, MCPHS University, Boston, Mass.

Learning Objectives:

- Recommend therapies to optimize the diuretic management of a complex patient with decompensated heart failure.
- Evaluate diuretic therapy options in specific patient populations.

- Evaluate pharmacotherapeutic options for dual sequential nephron blockade with various thiazide diuretics.
- Design a pharmacotherapy plan to manage complications of diuretic resistance in acute decompensated heart failure requiring intensive care.
- Develop a transitions of care monitoring plan for heart failure management post hospital discharge.

Presenters:

Snehal Bhatt, Pharm.D., BCPS-AQ Cardiology, FASHP

Jessie Dunne, Pharm.D., BCPS, Clinical Pharmacy Specialist, UK HealthCare, Lexington, Ky.

Karen J. McConnell, Pharm.D., ASH-CHC, BCPS-AQ Cardiology, FCCP, Clinical Director and Cardiology Subject Matter Expert, Cardinal Health, Houston, Texas

2:00 p.m. - 3:45 p.m. W311 B, Level 3

Safety & Quality Pearls 2017

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-210-L05-P/0204-0000-17-210-L05-T
1.75 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Elizabeth Rebo, Pharm.D., Director of Medication Safety, WellStar Health System, Marietta, Ga.

Learning Objectives:

- Describe three examples of interventions that have improved safety or quality of patient care in health systems.
- List steps for implementation of at least one safety improvement program.
- Explain how to apply three strategies for preventing patient harm.

Presentations:

● **Hitting Grand SLAMS for Medication Safety**

Paul E. Milligan, Pharm.D., B.S.Pharm., System Medication Safety Pharmacist, BJC HealthCare, St. Louis, Mo.

● **Physician Dispensing SOS: Strategies, Observations, and Students**

Denise C. Fields, Pharm.D., FASHP, Clinical Consultant, Cummins LiveWell Center, Columbus, Ind.

● **Just Culture: Rolling Out to Front Line Pharmacy Staff**

Doug Meyer, R.Ph., M.B.A., Director of Pharmacy, Legacy Health – Meridian Park, Portland, Ore.

● **Interpreting the Variability in Calculations for Time in Therapeutic Range (TTR)**

Christina E. DeRemer, Pharm.D., BCPS, FASHP, Associate Professor – Ambulatory Care, University of Florida College of Pharmacy, Gainesville, Fla.

● **Medication Education and Adherence: Developing a Successful Program on a Budget**

Susan Jackson, Pharm.D., M.B.A., Director of Pharmacy, WellStar Kennestone Hospital, Marietta, Ga.

● **The Value of Forming a Patient Safety Coalition**

Jessalynn (White) Henney, Pharm.D., Director, Pharmacy Medication Safety, Community Health Network, Indianapolis, Ind.

- **Clinical Success Story: Smart Infusion Device & EMR Integration**

Doug Hum, B.S.Pharm., R.Ph., Pharmacy Consultant, ICU Medical Inc., Maple Grove, Minn.

- **Code Malignant Hyperthermia: Learnings from a Community Hospital Risk Assessment**

Nancy Rampe, Pharm.D., M.H.A., Pharmacy Manager, St. Rita's Medical Center, Lima, Ohio

- **Inpatient Pharmacist Role in Transitions of Care – Closing the Gap**

Jamie L. McCarthy, Pharm.D., BCPS, Manager – Clinical Services, Mercy Hospital Jefferson, Crystal City, Mo.

- **Sanguinate® – A Medication to Use When You Cannot Transfuse**

Micaela Carroll, Pharm.D., Internal Medicine Clinical Pharmacist, UAB Hospital, Birmingham, Ala.

- **Performing a Medication Safety Gap Analysis in a Pediatric Hospital**

Michael C. Dejos, Pharm.D., BCPS, Medication Safety Officer, Nemours/Alfred I. DuPont Hospital for Children, Wilmington, Del.

- **Partners in Patient Safety**

Katayoon Kathy Ghomeshi, Pharm.D., M.B.A., BCPS, Medication Safety Specialist, UCSF Medical Center, San Francisco, Calif.

- **Working Smarter, Not Harder with Smart Pumps: A City-wide Effort to Reduce Clinically Insignificant Alerts**

Todd A. Walroth, Pharm.D., BCCCP, BCPS, Pharmacy Manager – Clinical Services, Eskenazi Health, Indianapolis, Ind.

- **Errors Associated with the Use of Insulin in Hyperkalemia**

Staley Lawes, Pharm.D., BCPS, FISMP, Medication Safety Officer, Comprehensive Pharmacy Services, Edison, N.J.

- **Don't Wait to Improve System Compliance with Weighing Patients Safely**

Karen Smethers, Pharm.D., B.S., BCOP, National Clinical Pharmacy Integration Leader, Ascension, The Resource Group, St. Louis, Mo.

2:00 p.m. - 4:00 p.m.

W308 B, Level 3

- **Gems for Success: Integrating and Managing Your Life and Career**

ACTIVITY #0204-0000-17-206-L04-P
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Sara J. White, M.S., FASHP, (Ret.)
Director of Pharmacy, Stanford Health Care, Palo Alto, Calif.

Learning Objectives:

- List at least three tips on integrating life and career.
- Explain how to be more successful as a woman pharmacist.
- Describe at least two unique (from pharmacist practice) career paths.

Presentations:

- **A Guy's Perspective: Integrating Life and Career**
Rafael Saenz, Pharm.D., M.S., FASHP, Administrator, Pharmacy Services, University of Virginia Health System, Charlottesville, Va.
- **Using a Stay-at-Home Dad to Integrate Life and Career**
Katie Sheldon, Pharm.D., M.S., Director of Pharmacy, Mission Hospital, Asheville, N.C.
- **Planning Your Life and Career as a Marathon**
Tricia Killingsworth, B.S.Pharm., Senior Director Acute Care Pharmacy Services, Banner Health, Phoenix, Ariz.
- **Life Hacks**
Jennifer Robertson, Pharm.D., BCPS, Medication Outcomes & Safety Officer, St. Jude Children's Research Hospital, Memphis, Tenn.
- **Managing Three Young Children, Husband with a Demanding Career, and a Pharmacy Career**
Carrie Morton, Pharm.D., M.B.A., Director of Pharmacy, Deaconess Health System, Evansville, Ind.
- **Integrating Two Young Children with a Pharmacy Career**
Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor, Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, Arizona, Ariz.
- **Using Emotional Intelligence**
Ruth Dapaah-Afriyie, Pharm.D., B.Pharm. (Hons.), BCACP, CDOE, CVDOE, Senior Clinical Pharmacy Specialist, Rhode Island Hospital, Providence, R.I.
- **Should Women Act Like Men at Work?**
Ronald Small, B.S.Pharm., Sc.D. (Hon.), M.B.A., CEC, FAPhA, FASHP, Executive Strategic Advisor and Coach, Eagle Strategic Alliances, Bermuda Run, N.C.
- **Delegating Effectively**
Jennifer Tryon, Pharm.D., M.S., FASHP, Associate Vice President and Chief Pharmacy Officer, Wake Forest Baptist Health, Winston Salem, N.C.
- **Women Leading Men – Tips from a Guy**
Dennis A. Tribble, Pharm.D., B.S., Director, Healthcare Innovations, Medication Management Systems, BD, Franklin Lakes, N.J.

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● **Keys to Executive Presence**

Nishaminy Kasbekar, Pharm.D., B.S., FASHP, Corporate Director of Pharmacy, University of Pennsylvania Health System, Philadelphia, Pa.

● **From a Guy's Perspective: Why Is Participating in the Women's Initiative Critical?**

Kevin C. Anderson, Pharm.D., M.B.A., PGY2 HSPA Resident, UW Medicine, Seattle, Wash.

● **Minimizing the Tendencies to Apology or Discount Self**

Kristine Gullickson, Pharm.D., M.B.A., FASHP, Director of Pharmacy, Allina Health, Abbott Northwestern Hospital, Minneapolis, Minn.

● **Seeking and Serving as a National Professional Organization President**

Lisa M. Gersema, Pharm.D., M.H.A., BCPS, FASHP, Director of Pharmacy, United Hospital, St. Paul, Minn.

● **Oncology Specialist to School of Pharmacy Founding Dean**

Rebecca Finley, Pharm.D., M.S., Dean, Jefferson College of Pharmacy, Thomas Jefferson University, Philadelphia, Pa.

● **Moving from Clinical Practice to a Big L Leader Role**

Katherine D. Mieure, Pharm.D., BCPS-AQ Cardiology, Director of Clinical Services, Massachusetts General Hospital, Boston, Mass.

● **Moving into Health-System Administration**

Erin Hendrick, Pharm.D., M.S., BCPS, FASHP, Chief Operating Officer, Emory University Hospital Midtown, Atlanta, Ga.

● **Serving on and Chairing a Board of Pharmacy**

Susan T. Boyer, R.Ph., M.S., FASHP, Lead Surveyor and Healthcare Consultant, ASHP, Tacoma, Wash.

● **Starting, Running, and Selling Your Own Business**

Sharon Murphy Enright, B.S.Pharm., M.B.A., Consultant & Change Agent, EnvisionChange LLC, Atlanta, Ga.

● **Being Successful in Academia and Professional Organizational Leadership**

Lea S. Eiland, Pharm.D., BCPPSS, BCPS, FASHP, FPPAG, Clinical Professor and Associate Department Head, Auburn University Harrison School of Pharmacy, Auburn, Ala.

2:00 p.m. - 4:00 p.m.

W304 F, Level 3

■ **Joint Commission: Tackling the Top Ten Survey Risks**

ACTIVITY #0204-0000-17-208-L03-P/0204-0000-17-208-L03-T
2.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: John P. Uselton, R.Ph., B.S., Director of Quality and Pharmacy Practice, Cardinal Health, Houston, Texas

Learning Objectives:

- Identify the most important compliance issues associated with the top 10 medication-related deficiencies cited in Joint Commission surveys.
- Explain the new Joint Commission survey process, scoring procedure, and revised standards and elements of performance.
- Develop basic, easy-to-implement strategies to prepare for surveyor activities.

- Discuss the importance of identifying problematic areas prior to surveys and the development of a successful action plan.

Presenters:

Robert Jordin, B.S.Pharm., Director, Accreditation and Medication Safety, Cardinal Health, Sugar Land, Texas

Patricia C. Kienle, B.S.Pharm., M.P.A., FASHP, Director, Accreditation and Medication Safety, Cardinal Health, Wilkes Barre, Pa.

Lee B. Murdaugh, R.Ph., Ph.D., Director, Accreditation and Medication Safety, Cardinal Health Innovative Delivery Solutions, Knoxville, Tenn.

John P. Uselton, R.Ph., B.S.

2:00 p.m. - 4:00 p.m.

Valencia W415 C, Level 4

■ **Therapeutic Debates 2017**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-213-L01-P
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Stephanie Weightman, Pharm.D., R.Ph., BCPPS, BCPS, Clinical Pharmacist – Emergency Department, Children's Medical Center Dallas, Dallas, Texas

Learning Objectives:

- Explain why therapeutic controversies might occur in clinical practice.
- Identify three therapeutic areas in which controversies may exist.
- Discuss the pro and con arguments of selected therapeutic issues.

Debate Topics:

● **Seizure Prophylaxis in Traumatic Brain Injuries**

Karen Berger, Pharm.D., BCCCP, BCPS, Neurocritical Care Clinical Pharmacist, New York Presbyterian Hospital – Weill Cornell Medical Center, New York, N.Y.

Lisa Hall Zimmerman, Pharm.D., BCCCP, BCNSP, BCPS, FCCM, Director, PGY2 Critical Care Residency, Critical Care Clinical Pharmacist, New Hanover Regional Medical Center, Wilmington, N.C.

● **Newer vs. Older Agents in MRSA Treatment**

Kerry LaPlante, Pharm.D., FCCP, Professor of Pharmacy, The University of Rhode Island, Kingston, R.I.

Michael J. Rybak, Pharm.D., Ph.D., M.P.H., Professor of Pharmacy, Wayne State University, Detroit, Mich.

● **Desflurane vs. Sevoflurane Anesthetic Gases**

Tricia Meyer, Pharm.D., M.S., Regional Director, Scott & White Temple Medical Center, Temple, Texas

Deborah Wagner, Pharm.D., FASHP, Clinical Professor Anesthesiology/Pharmacy, Michigan Medicine, Ann Arbor, Mich.

■ Pharmacy Practice Around the Globe 2017 (Featuring the Donald E. Francke Medal Lecture)

ACTIVITY #0204-0000-17-200-L04-P/0204-0000-17-200-L04-T
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Eric M. Maroyka, Pharm.D., BCPS, Director, Center on Pharmacy Practice Advancement, ASHP, Bethesda, Md.

Donald E. Francke Medalist Marianne F. Ivey presents “Global Opportunity — Pharmacists Working Together to Improve Patient Care” at 4:00 p.m. The educational session starts immediately prior to the lecture, at 2:00 p.m. The Donald E. Francke Medal was established to honor pharmacists who have made significant international contributions to advance pharmacy practice.

All attendees of this session are invited to join Dr. Ivey after the session to offer congratulations at a special reception for International Registrants. The reception is an opportunity to network with your friends and colleagues from around the world. Light refreshments will be served.

Learning Objectives:

- Identify ways international pharmacy practices can use ASHP Practice Advancement Initiative strategies to advance practice in acute and ambulatory care global settings.
- Describe how international pharmacy practices can help to improve direct patient care contributions.
- Discuss opportunities and challenges of variability for international pharmacy practice settings.

Presenters:

Ahmed Al-jedai, Pharm.D., M.B.A., BCPS, FCCP, FAST, Director, Pharmaceutical Care Division, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

Luisa C. Clemens, Pharm.D., B.A., Chief of Outpatient Services, LBJ Tropical Medical Center Pharmacy Department, LBJ Tropical Medical Center, Pago Pago, American Samoa

Shelita Dattani, Pharm.D., B.S.Pharm., Director, Practice Development and Knowledge Translation, Canadian Pharmacists Association, Ottawa, Ontario, Canada

Alvaro Gimenez-Manzorro, Pharm.D., Ph.D., Hospital Pharmacy Specialist, Hospital General Universitario Gregorio Marañón, Madrid, Spain

Anja St. Clair Jones, DipPharm, MRPharmS, M.Sc., FFRPS, Consultant Pharmacist Gastroenterology, Brighton and Sussex University Hospitals NHS Trust, Brighton, England, United Kingdom

Jenny S.C. Tsang, M.Sc.Pharm., B.Sc.Pharm., BCOP, Clinical Pharmacist, Princess Margaret Hospital, Hospital Authority, Hong Kong

Ulfat M. Usta, Pharm.D., M.S., BCNS, BCPS, Pharmacy Director, AUBMC, Beirut, Lebanon

For more information, see page 31.

■ (Management Case Study) A Clinic-Based Pharmacy Technician Prior Authorization Program

ACTIVITY #0204-0000-17-357-L04-P/0204-0000-17-357-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Sharya Bourdet, Pharm.D., BCPS, Associate Chief of Pharmacy, Acute Care and Education, San Francisco VA Health Care System, San Francisco, Calif.

Learning Objectives:

- Identify workflow design and baseline data needs to develop and implement a pharmacy-driven medication prior authorization program.
- List the critical measures and outcomes needed to ensure prior authorization program sustainability.
- Explain the overall impact of implementing a pharmacy-driven medication prior authorization program.

Presenters:

Brad Myers, Pharm.D., M.B.A., BCPS, System Director, University of Missouri Health Care, Columbia, Mo.

Julia M. Chisholm, Pharm.D., AAHIVP, Manager Outpatient Pharmacy, University of Missouri Health Care, Columbia, Mo.

■ (Management Case Study) Impact of a Discharge Concierge Medication Delivery Service on Patient Satisfaction Scores

ACTIVITY #0204-0000-17-358-L04-P/0204-0000-17-358-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Charzetta James, Pharm.D., M.B.A., M.H.A., CPH, FACHE, PRS, System Director of Pharmacy, Ascension-SVHC, Jacksonville, Fla.

Learning Objectives:

- Describe the impact of value-based purchasing and the HCAHPS survey on hospital reimbursement.
- List the questions included in the “Communication About Medications” dimension of the HCAHPS survey.
- Describe the impact of the discharge concierge medication delivery service in patient scoring of the Communication About Medications domain of the HCAHPS survey.

Presenter:

Katie Clark McKinney, Pharm.D., M.S., BCPS, Director, Pharmacy Services, UC Health – University of Cincinnati Medical Center, Cincinnati, Ohio

3:45 p.m. - 5:15 p.m.

W304 B, Level 3

Stop That! Sharing Decisions to Improve Care Through Patient-Centered Deprescribing

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-219-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Karen Gunning, Pharm.D., BCACP, BCPS, FCCP, Professor (Clinical) of Pharmacotherapy, University of Utah College of Pharmacy, Salt Lake City, Utah

Learning Objectives:

- Evaluate the risks and benefits of deprescribing.
- Given a case, develop a patient-centered plan for deprescribing.
- Recommend a strategy for your clinical team to initiate discussions regarding deprescribing.
- Apply the process of shared decision-making to a patient case.

Presenters:

Karen Gunning, Pharm.D., BCACP, BCPS, FCCP
Alisyn Hansen, Pharm.D., BCACP, CDE, Assistant Professor of Pharmacotherapy, University of Utah College of Pharmacy, Salt Lake City, Utah
Katelin Lisenby, Pharm.D., BCPS, Assistant Clinical Professor, Auburn University Harrison School of Pharmacy, Tuscaloosa, Ala.

4:00 p.m. - 5:00 p.m.

W307 B, Level 3

What You Need to Know: Medical Apps in the Inpatient Setting

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-218-L04-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Christina E. DeRemer, Pharm.D., BCPS, FASHP, Associate Professor – Ambulatory Care, University of Florida College of Pharmacy, Gainesville, Fla.

Learning Objectives:

- List mobile apps for pharmacists in patient care.
- Demonstrate how to evaluate mobile medical apps.
- Assess how pharmacists can use apps in professional duties.
- Select a mobile app to use in your practice.

Presenter: Timothy D. Aungst, Pharm.D., Assistant Professor of Pharmacy Practice, MCPHS University, Worcester, Mass.

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4:00 p.m. - 5:00 p.m.

W209 A, Level 2

Community Outreach to Fight the Opioid Epidemic: Highlighting the Rutgers Toolkit

ACTIVITY #0204-0000-17-307-L04-P/0204-0000-17-307-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Describe the impact of the opioid epidemic within local communities.
- Identify the key content contained within the toolkit.
- Review how to implement information and resources from the toolkit into community initiatives.

Presenters:

Saira A. Jan, Pharm.D., M.S., Clinical Professor, Rutgers State University of New Jersey, Piscataway Township, N.J.
Alex J. Wiggall, Pharm.D., Clinical Pharmacist, Horizon Blue Cross Blue Shield of New Jersey, Newark, N.J.

4:00 p.m. - 5:15 p.m.

Valencia W415 A, Level 4

Getting to the Heart of Antidiabetic Medication Safety and Efficacy

ACTIVITY #0204-0000-17-224-L01
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: William L. Baker, Pharm.D., FACC, FAHA, FCCP, Associate Professor, University of Connecticut School of Pharmacy, Storrs, Conn.

Learning Objectives:

- Evaluate the U.S. Food and Drug Administration's requirement for cardiovascular safety trials of medications for type 2 diabetes.
- Interpret findings from recent clinical trials of medications for type 2 diabetes in patients at high cardiovascular risk.
- Given case scenarios and using the clinical trial data, design appropriate drug regimens for type 2 diabetes patients at high cardiovascular risk.

Presenters:

William L. Baker, Pharm.D., FACC, FAHA, FCCP
Daniel M. Riche, Pharm.D., Associate Professor, University of Mississippi, Jackson, Miss.

4:00 p.m. - 5:15 p.m.

W314 A, Level 3

■ What a QT'ie! What We Know About Drug-induced QT Prolongation in Children

ACTIVITY #0204-0000-17-241-L01-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Bernard R. Lee, Pharm.D., BCPPS, BCPS, PGY2 Pediatrics Residency Program Director, Johns Hopkins All Children's Hospital, St. Petersburg, Fla.

Learning Objectives:

- Differentiate the common etiologies of drug-induced QT prolongation in children.
- Analyze the current available literature regarding the significance and impact of combination drug-induced QT prolongation in children.
- Compare potential preventative tools and strategies to identify, risk stratify, and prevent drug-induced QT prolongation in children.

Presenters:

Gabriella Blyumin, Pharm.D., BCPPS, Clinical Pharmacist Specialist – Pediatric Intensive Care, Nicklaus Children's Hospital – Miami Children's Health System, Miami, Fla.
Brian K. Brown, Pharm.D., BCPPS, BCPS, CVICU, Cardiac Transplant Pharmacist, Johns Hopkins All Children's Hospital, St. Petersburg, Fla.
Bernard R. Lee, Pharm.D., BCPPS, BCPS

4:15 p.m. - 4:45 p.m.

W204 C, Level 2

■ (Management Case Study) Patient Medication Liaisons Support Specialty Pharmacy

ACTIVITY #0204-0000-17-359-L04-P/0204-0000-17-359-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Samantha Burton, Pharm.D., Medication Safety, Quality, and Informatics Fellow, St. Vincent Hospital/MCPHS, Worcester, Mass.

Learning Objectives:

- Identify the planning steps for implementing patient medication liaisons within the clinic setting to facilitate management of specialty pharmacy patients.
- Describe the role of Patient Medication Liaisons within a health-system specialty pharmacy practice model.
- Review the impact of Patient Medication Liaisons within a health system and on patient care.

Presenters:

Laura E. Butkievich, Pharm.D., BCPS, System Pharmacy Clinical Manager, University of Missouri Health Care, Columbia, Mo.
Brad Myers, Pharm.D., M.B.A., BCPS, System Director, University of Missouri Health Care, Columbia, Mo.

4:15 p.m. - 5:15 p.m.

W414 B, Level 4

■ Let's Publish That! Best Practices to Improve Resident Research

ACTIVITY #0204-0000-17-216-L04-P
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Alexander H. Flannery, Pharm.D., BCCCP, BCPS, Critical Care Pharmacist, Medical Intensive Care Unit, University of Kentucky HealthCare, Lexington, Ky.

Learning Objectives:

- Identify challenges related to pharmacy resident research.
- Propose mechanisms to satisfy the requirement for resident research while improving the research experience.
- Describe evidence-based practices that have been shown to improve publication rates and the research experience for pharmacy residents.
- Discuss existing data on publication rates of pharmacy resident research.

Presenters:

Alexander H. Flannery, Pharm.D., BCCCP, BCPS
Kari L. Olson, Pharm.D., B.Sc. (Pharm.), BCPS, FCCP, Clinical Pharmacy Supervisor, Clinical Pharmacy Cardiac Risk Service, Kaiser Permanente Colorado, Aurora, Colo.

4:15 p.m. - 5:15 p.m.

W312 A, Level 3

■ Marrying Structure with Function: The Impact of Novel Renal Biomarkers on Drug Therapy Use

ACTIVITY #0204-0000-17-217-L04-P
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Erin F. Barreto, Pharm.D., M.Sc., BCCCP, BCPS, Assistant Professor of Pharmacy and Medicine, Mayo Clinic, Rochester, Minn.

Learning Objectives:

- Identify the limitations of existing biomarkers for renal function in acutely ill patients.
- Explain an evidence-based method for using a new functional biomarker, serum cystatin C, to improve medication dosing.
- Summarize the role for structural biomarkers for the early detection of drug-induced kidney disease.
- Explain the application of the structural biomarker (e.g., TIMP2*IGFBP7) currently available in the United States.

Presenters:

Erin F. Barreto, Pharm.D., M.Sc., BCCCP, BCPS
Sandra L. Kane-Gill, Pharm.D., M.Sc., FCCM, FCCP, Associate Professor, University of Pittsburgh, Pittsburgh, Pa.

4:15 p.m. - 5:15 p.m.

W311 B, Level 3

Medical Cannabis: Current Considerations and Implications for Pharmacists

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the American Pharmacists Association

ACTIVITY #0204-9999-17-220-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCACP

Program Chair/Moderator: Laura Borgelt, Pharm.D., BCPS, FCCP, Associate Dean and Professor, University of Colorado Skaggs School of Pharmacy, Aurora, Colo.

Learning Objectives:

- Evaluate the current regulatory status of cannabis in the United States.
- Evaluate health-system policies and procedures for cannabis use within the current legal landscape.
- Examine the clinical pharmacology of cannabis and its active components.
- Interpret the results of clinical studies of the effectiveness and safety of medical cannabis in children and adults with various medical conditions.
- Recommend pharmacist strategies to improve patient safety, identify and prevent potential drug interactions, and provide effective counseling for patients using cannabis.

Presenters:

Laura Borgelt, Pharm.D., BCPS, FCCP
Matthew J. Seamon, Pharm.D., Esq., Department Chairman, Nova Southeastern University College of Pharmacy, Fort Lauderdale, Fla.

For more information, see page 34.

4:15 p.m. - 5:15 p.m.

W308 B, Level 3

Improving Safety and Compliance: Standardizing Technologies Throughout the Medical Center

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-222-L05-P/O204-0000-17-222-L05-T
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Regina G. Cregin, Pharm.D., M.S., BCPS, Clinical Pharmacy Manager, Informatics, Montefiore Medical Center, Bronx, N.Y.

Learning Objectives:

- Discuss the integration of technology in hospital pharmacies and their impact on regulatory compliance and medication safety.
- Develop and apply strategies to standardize pharmacy technology in your own practice.
- Interpret the role of technology in the enhancement of medication safety.

Presenters:

Regina G. Cregin, Pharm.D., M.S., BCPS
Frank Sosnowski, B.S.Pharm., M.S., Unified Director of Pharmacy, Montefiore Medical Center, Bronx, N.Y.

4:15 p.m. - 5:15 p.m.

Valencia W415 D, Level 4

Novel Approaches for Non-Antibiotic Interventions for Clostridium Difficile Stewardship

Planned in cooperation with the Society of Infectious Diseases Pharmacists

ACTIVITY #0204-0000-17-223-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair: Monica V. Mahoney, Pharm.D., BCPS-AQ ID, Clinical Pharmacy Coordinator, Infectious Diseases, Beth Israel Deaconess Medical, Boston, Mass.

Moderator: Jason C. Gallagher, Pharm.D., BCPS, FCCP, FIDSA, Clinical Professor, Temple University, Philadelphia, Pa.

Learning Objectives:

- Compare and contrast different rapid diagnostic tests for Clostridium difficile.
- Evaluate and mitigate medication risk factors for Clostridium difficile.
- Recommend the role of immunomodulatory agents in patient therapy.
- Design an appropriate treatment regimen for a patient with Clostridium difficile.

Presenter:

Monica V. Mahoney, Pharm.D., BCPS-AQ ID

4:15 p.m. - 5:15 p.m.

W208 A, Level 2

A Call to Action: Optimizing the Electronic Health Record in Parenteral Nutrition

ACTIVITY #0204-0000-17-242-L04-P/O204-0000-17-242-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Phil Ayers, Pharm.D., BCNSP, FASHP, Chief, Clinical Pharmacy Services, Baptist Medical Center, Jackson, Miss.

Learning Objectives:

- Discuss the multi-organizational call to action paper regarding the electronic health record (EHR) in the parenteral nutrition process.
- Describe the challenges of building and configuring the EHR to optimize use in the parenteral nutrition process.
- Explain how to implement safe parenteral nutrition ordering using the EHR.

Presenters:

Michael Kraft, Pharm.D., BCNSP, Clinical Associate Professor, University of Michigan College of Pharmacy, Ann Arbor, Mich.
Chris Zimmerman, Pharm.D., BCPS, Coordinator, Electronic Health Record (EHR) Decision Support, University of Michigan, Ann Arbor, Mich.

Tuesday

DECEMBER 5

8:00 a.m. - 8:30 a.m.

W204 C, Level 2

■ (Management Case Study) Outpatient Antimicrobial Stewardship Opportunities Using Clinical Surveillance Technology

ACTIVITY #0204-0000-17-360-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Jodi Taylor, Pharm.D., BCCCP, BCPS, Associate Professor and Chair of Pharmacy Practice, Union University College of Pharmacy, Jackson, Tenn.

Learning Objectives:

- Discuss the challenges in managing antimicrobial use in outpatient care centers.
- Demonstrate the importance of implementing antimicrobial stewardship programs in outpatient facilities.
- Explain the use of clinical surveillance systems for antimicrobial stewardship.

Presenter:

Jessica Sobnosky, Pharm.D., BCPS, Clinical Pharmacist – Infectious Diseases and Antimicrobial Stewardship, King’s Daughters Medical Center, Ashland, Ky.

8:00 a.m. - 9:00 a.m.

W315 A, Level 3

■ Stop the Benzodiazepines: Identifying High-Risk Patient Populations to Successfully Taper These Medications

Planned in cooperation with the College of Psychiatric and Neurologic Pharmacists

ACTIVITY #0204-0000-17-228-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Beth Hall, Pharm.D., BCPP, Director of Pharmacy, Pharmacy Systems Inc., Fulton, Mo.

Learning Objectives:

- Discuss patients at increased risk of adverse outcomes secondary to benzodiazepines.
- Compare evidence-based non-pharmacologic and pharmacologic strategies for benzodiazepine discontinuation.
- Design a benzodiazepine withdrawal protocol based on patient-specific characteristics that minimize withdrawal symptoms.

Presenter:

Kristina Ward, Pharm.D., BCPP, BCPS, Clinical Pharmacy Specialist – Psychiatry, U.S. Department of Veterans Affairs, Martinez, Calif.

See page 133 for presenter disclosures.

8:00 a.m. - 9:30 a.m.

W314 A, Level 3

■ When the Unexpected Happens: Pharmacy’s Role in Disasters

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-225-L01-P/0204-0000-17-225-L01-T
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Christopher Edwards, Pharm.D., BCPS, Senior Pharmacy Manager – Clinical Services, Banner University Medical Center – Tucson, Tucson, Ariz.

Learning Objectives:

- Apply the principles of mass casualty incident (MCI) triage to a group of patients such that interventions are prioritized during an MCI response.
- Predict pharmaceutical needs based on injury patterns or disease states common in specific disaster scenarios.
- Identify pharmaceutical needs and develop a disaster management plan related to inventory requirements prior to, during, and after the event.

Presenters:

Katelyn Dervay, Pharm.D., M.P.H., BCPS, FASHP, Pharmacotherapy Specialist – Emergency Medicine and Director, PGY2 Emergency Medicine Residency, Tampa General Hospital, Tampa, Fla.

Josh Gaither, M.D., FACEP, FAEMS, Associate Professor of Emergency Medicine, University of Arizona, Tucson, Ariz.

Christi Jen, Pharm.D., BCPS, FAzPA, Clinical Pharmacist – Emergency Medicine, Banner Boswell Medical Center, Sun City, Ariz.

8:00 a.m. - 9:30 a.m.

W207 A, Level 2

■ Tomorrow and Beyond: Telemedicine Innovations Connecting Patients and Pharmacy

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers and the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-226-L04-P/0204-0000-17-226-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair: Arlene Mary Iglar, B.S.Pharm., M.S., FASHP, Senior Director Pharmacy, Aurora Health Care, Milwaukee, Wis.

Moderator: Ashley Purohit, Pharm.D., M.B.A., BCPS, Director of Pharmacy, Aurora Health Care, Milwaukee, Wis.

Learning Objectives:

- Describe how telepharmacy can advance the practice of pharmacy and provide better care for patients.
- Identify the stakeholders that pharmacy should collaborate with when implementing new technologies to communicate with patients.
- Describe the advantages of using two-way, live videoconference with patient receiving complex medication therapies.

continues >

- Identify the process for engaging pharmacy technicians from a centralized call center to use videoconferencing technology to obtain medication histories for patients.
- Identify practical strategies for integrating patient wearable device data with the electronic medical record.

Presenters:

Al Loeb, M.S., Senior Director Pharmacy Operations, Aurora Health Care, Milwaukee, Wis.
Brandy Mcginnis, Pharm.D., BCPS, Regional Clinical Pharmacy Coordinator, Seton Healthcare Family, Austin, Texas
Karen C. Thomas, Pharm.D., Ph.D., DABAT, Pharmacy Clinical Coordinator, University of Utah Health, Salt Lake City, Utah

8:00 a.m. - 9:30 a.m. W307 B, Level 3

Clinical Considerations: Pharmacotherapy in Extracorporeal Therapies

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-227-L01-P
 1.50 CONTACT HOURS | APPLICATION-BASED
 EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Kevin E. Anger, Pharm.D., BCPS, Manager Investigational Drug Services, Brigham and Women’s Hospital, Boston, Mass.

Learning Objectives:

- Evaluate recent literature on the management of pain, agitation, delirium, antimicrobial, and anticoagulation therapy in patients receiving extracorporeal therapies (ECMO).
- Apply ways to provide optimal pain, agitation, delirium, antimicrobial, and anticoagulation therapy to patients receiving ECMO therapy.
- Develop an optimal pharmacotherapy plan for patients receiving plasmapheresis in the ICU.

Presenters:

Amy Dzierba, Pharm.D., BCCCP, BCPS, FCCM, Clinical Pharmacist, NewYork-Presbyterian Hospital, New York, N.Y.
Rami B. Ibrahim, Pharm.D., M.Sc., B.Sc., Assistant Professor, Michigan State University, Detroit, Mich.
David Reardon, Pharm.D., BCPS, Pharmacy Executive Director, Vizient, Inc., Irving, Texas

8:00 a.m. - 9:30 a.m. W308 B, Level 3

Clinical Application and FDA Guidance on Interchangeability Biosimilars: An Expert Panel Presentation

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-229-L01-P
 1.50 CONTACT HOURS | APPLICATION-BASED
 EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair: Eve Segal, Pharm.D., BCOP, Clinical Oncology Pharmacist, University of Washington Medical Center/Seattle Cancer Care Alliance, Seattle, Wash.

Moderator: Ali McBride, Pharm.D., M.S., BCOP, BCPS, FAzPA, Clinical Coordinator, The University of Arizona Cancer Center, Tucson, Ariz.

Learning Objectives:

- Evaluate current regulatory issues and patent expirations for biologics in the upcoming decade.
- Compare and contrast legislative and clinical practice implications for pharmacists surrounding biosimilar use in select patient populations.
- Select core knowledge and skill requirements needed to prepare pharmacists to incorporate biosimilar use routinely into clinical practice.

Presenters:

Jessica Farrell, Pharm.D., Associate Profession/Clinical Pharmacist, Albany College of Pharmacy and Health Sciences, Albany, N.Y.
Jennifer Goldman, Pharm.D., B.S.Pharm., R.Ph., BC-ADM, CDE, FCCP, Professor of Pharmacy Practice, MCPHS University, Boston, Mass.
Rena Gosser, Pharm.D., BCPS, Medication Optimization Pharmacist – Population Health, Harborview Medical Center, Seattle Wash.

8:00 a.m. - 9:30 a.m. Valencia W415 A, Level 4

Therapeutic Strategies for Interpreting Acid-Base Status with and Without Blood Gases

ACTIVITY #0204-0000-17-231-L01-P
 1.50 CONTACT HOURS | APPLICATION-BASED
 EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Carol J. Rollins, Pharm.D., B.S.Pharm., M.S., R.D., BCNSP, FASHP, FASPEN, Clinical Professor, University of Arizona College of Pharmacy, Tucson, Ariz.

Learning Objectives:

- Given a case scenario, determine acid-base status using blood gases and explain confounding factors to interpretation of the blood gases.
- Evaluate whether acetate should be added to parenteral nutrition in a given case scenario and determine the appropriate dose, if added, based on general guidelines.
- Discuss medications that are likely contributing to acid-base imbalance in a given case scenario.

Presenters:

Carol J. Rollins, Pharm.D., B.S.Pharm., M.S., R.D., BCNSP, FASHP, FASPEN
Amber Verdell, Pharm.D., BCNSP, BCPS, Assistant Professor, Pharmacy Practice, West Coast University School of Pharmacy, Los Angeles, Calif.

8:00 a.m. - 9:30 a.m.

W304 F, Level 3

■ Credentialing and Privileging: Developing a Roadmap to Support Advanced Clinical Pharmacy Practice

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-232-L04-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP, Clinical Professor, University of Wyoming, Laramie, Wyo.

Learning Objectives:

- Define credentialing and privileging for healthcare practitioners.
- Compare how competency assessment tools may be effective at expanding roles for pharmacists.
- Explain how credentialing and privileging processes were implemented in various healthcare systems.
- Estimate the benefits of credentialing and privileging programs to the advancement of patient care services using practice examples.
- Justify the need of raising the level of pharmacy-delivered patient care services through accreditation of pharmacy practices.

Presenters:

Julie Groppi, Pharm.D., FASHP, PBM Program Manager, Clinical Pharmacy Practice Policy and Standards, Department of Veterans Affairs, Washington, D.C.

Lynnae M. Mahaney, B.S.Pharm., M.B.A., FASHP, Director, Pharmacy Accreditation, ASHP, Bethesda, Md.

Betsy Shilliday, Pharm.D., BCACP, CDE, CPP, FASHP, Director, Advanced Practice Provider Center, University of North Carolina, Chapel Hill, N.C.

8:00 a.m. - 9:30 a.m.

Valencia W415 C, Level 4

■ Guideline-Based Management of Heart Failure and Arrhythmic Complications

ACTIVITY #0204-0000-17-237-L01-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair: James E. Tisdale, Pharm.D., BCPS, FAHA, FAPhA, FCCP, FNAP, Professor, Purdue University, Indianapolis, Ind.

Moderator: Jo E. Rodgers, Pharm.D., BCPS-AQ Cardiology, FAHA, FCCP, FHSA, FNAP, Clinical Associate Professor, UNC Eshelman School of Pharmacy, Chapel Hill, N.C.

Learning Objectives:

- Given a description of a specific patient with heart failure and reduced ejection fraction (HFrEF), develop a medication regimen that reflects guideline-directed medical therapy based on current evidence-based guidelines.

- Given a description of a specific patient with heart failure and preserved ejection fraction (HFpEF), develop a medication regimen that reflects guideline-directed medical therapy based on current evidence-based guidelines.
- Given a description of a specific patient with heart failure and atrial fibrillation, develop a medication regimen that reflects guideline-directed medical therapy based on current evidence-based guidelines.
- Given a description of a specific patient with heart failure and ventricular tachycardia, develop a medication regimen that reflects guideline-directed medical therapy based on current evidence-based guidelines.

Presenters:

Jo E. Rodgers, Pharm.D., BCPS-AQ Cardiology, FAHA, FCCP, FHSA, FNAP

James E. Tisdale, Pharm.D., BCPS, FAHA, FAPhA, FCCP, FNAP

8:00 a.m. - 9:30 a.m.

W208 A, Level 2

■ Meeting the Current Challenges of 340B Practice Trends in 2017

ACTIVITY #0204-0000-17-280-L04-P/0204-0000-17-280-L04-T

1.75 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Christopher A. Hatwig, R.Ph., M.S., FASHP, President, Apexus, Irving, Texas

Learning Objectives:

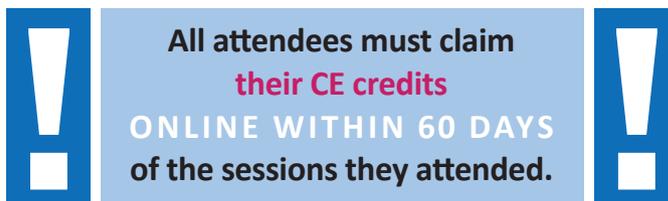
- Discuss updates to Health Resources and Services Administration (HRSA) and 340B Prime Vendor Program.
- Describe the effects of HRSA's new initiatives and policies on hospital compliance programs and operations, 340B policy changes, and trends in practice.
- Outline the tools and resources that support 340B Medicaid compliance and best practices.

Presenters:

Rick Coudry, B.S.Pharm., M.S., Vice President, Pharmacy and Clinical Professions, University of Kansas Health System, Kansas City, Kan.

Alan Knudsen, R.Ph., M.S., Pharmacy Specialist, 340B Program, Mission Health, Asheville, N.C.

Christopher A. Hatwig, R.Ph., M.S., FASHP



8:00 a.m. - 10:00 a.m. W312 A, Level 3

BCOP Clinical Sessions: An Oncology Pharmacist's Guide to Bayesian Statistics

Planned in cooperation with the American College of Clinical Pharmacy

ACTIVITY #0217-9999-17-161-L04-P
2.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCOP

Moderator: Robert D. Beckett, Pharm.D., BCPS, Associate Professor of Pharmacy Practice, Director of the Drug Information Center, Manchester University, Fort Wayne, Ind.

Learning Objectives:

- Compare and contrast Bayesian and frequentist statistics and how they can be used in oncology-related clinical studies.
- Interpret Bayesian statistics information in the methods and results of an oncology-related clinical study, including adaptive designs.
- Evaluate Bayesian statistics information in the methods and results of an oncology-related clinical study, including adaptive designs.

Presenters:

Robert D. Beckett, Pharm.D., BCPS
Joseph K. Jordan, Pharm.D., BCPS, Associate Professor of Pharmacy Practice, Butler University and Drug Information Specialist, Indiana University Health, Indianapolis, Ind.

For more information, see page 34.

8:00 a.m. - 10:00 a.m. W304 B, Level 3

One Year In: What New Leadership in the White House, Congress, and States Has Meant for Hospital Pharmacy

ACTIVITY #0204-0000-17-230-L03-P/0204-0000-17-230-L03-T
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair: Joseph Hill, M.A., Director, Government Relations, ASHP, Bethesda, Md.

Moderator: Kasey Thompson, Pharm.D., M.S., M.B.A., Chief Operating Officer and Senior Vice President, ASHP, Bethesda, Md.

Learning Objectives:

- Identify current federal regulatory and legislative issues impacting health-system pharmacists in a variety of settings.
- Discuss current regulatory and legislative issues in the states that impact health-system pharmacists.
- Describe key issues facing health-system pharmacists in 2018.

Presenters:

Nicholas Gentile, Director, State Grassroots Advocacy and Political Action, ASHP, Bethesda, Md.
Joseph Hill, M.A.

Jillanne Schulte Wall, J.D., Director, Federal Regulatory Affairs, ASHP, Bethesda, Md.

Christopher Topoleski, Director, Federal Legislative Affairs, ASHP, Bethesda, Md.

8:00 a.m. - 10:00 a.m. W414 B, Level 4

Pharmacy Forecast 2018: Trends That Will Shape Your Future

Planned in cooperation with the ASHP Research and Education Foundation

ACTIVITY #0204-0000-17-233-L04-P/0204-0000-17-233-L04-T
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Lee Vermeulen, B.S.Pharm., M.S., FCCP, FFIP, Professor of Medicine and Pharmacy, University of Kentucky, Lexington, Ky.

Learning Objectives:

- Identify five or more trends in the external environment that will have a major impact on health-system pharmacy practice over the next five years.
- Translate the strategic advice of national authorities to the specific needs of a particular practice setting.
- Identify three or more ways to apply knowledge of key trends toward improving patient care.

Presenters:

Scott Knoer, Pharm.D., M.S., B.A., FASHP, Chief Pharmacy Officer, Cleveland Clinic, Cleveland, Ohio
Pamela Phelps, Pharm.D., FASHP, Director of Pharmacy, Fairview Health Services, Minneapolis, Minn.
Shelly Wiest, Pharm.D., BCPS, FASHP, Vice President, Pharmacy Services, UC Health, Cincinnati, Ohio
David A. Zilz, R.Ph., M.S., B.S., FASHP, (Ret.) Senior Consultant, UWHealth, Madison, Wis.

75th STREET

REGISTRATION B, LEVEL 1

Come join ASHP's 75th anniversary celebration at 75th Street, located on Level 1 of the convention center, adjacent to the main entrance.

Games, activities, and photo opportunities galore. It's educational, informational, and, best of all, fun!



8:00 a.m. - 10:00 a.m.

Valencia W415 D, Level 4

■ Chronic Obstructive Pulmonary Disease: New Approaches to an Old Problem

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the American Pharmacists Association

ACTIVITY #0204-9999-17-234-L01-P

2.00 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCACP, BCPS

Program Chair/Moderator: Joel Marrs, Pharm.D., ASH-CHC, BCACP, BCPS-AQ Cardiology, CLS, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

Learning Objectives:

- Interpret data from clinical trials of newly approved therapeutic approaches for chronic obstructive pulmonary disease (COPD).
- Describe recommendations in the Global Initiative for Chronic Obstructive Lung Disease (GOLD) Global Strategy for the Diagnosis, Management, and Prevention of COPD.
- Discuss the pros and cons of new and old approaches to managing COPD.
- Recommend appropriate therapy for COPD in patients across inpatient and outpatient settings.

Presenters:

Lori Wilken, Pharm.D., B.S.Pharm., AE-C, BCACP, TT-S, Clinical Assistant Professor, University of Illinois at Chicago College of Pharmacy and Clinical Pulmonary Pharmacist and Director of the Tobacco Treatment Center, University of Illinois Hospital and Health Sciences System, Chicago, Ill.

Dennis M. Williams, Pharm.D., BCPS, FASHP, Associate Professor and Vice Chair, Division of Pharmacotherapy and Experimental Therapeutics, UNC Eshelman School of Pharmacy and Clinical Specialist for Pulmonary Medicine, UNC Medical Center, Chapel Hill, N.C.

For more information, see page 34.

8:00 a.m. - 10:00 a.m.

W311 B, Level 3

■ Management Pearls 2017

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-235-L04-P

2.00 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Melissa Ortega, Pharm.D., M.S., Director, Inpatient Pharmacy Operations and Pediatrics, Tufts Medical Center, Boston, Mass.

Learning Objectives:

- Identify one initiative that will improve clinical pharmacy services at your organization.
- Describe one performance improvement activity that can be used to improve operational efficiency in the pharmacy.

See page 133 for presenter disclosures.

- List two healthcare environment factors that require pharmacy departments to adapt operations to meet changing health-system priorities.

Presentations:

● **Overcoming Hurdles in Integrating a Full-Service Prior Authorization Team**

Kate Schaafsma, Pharm.D., M.S., M.B.A., BCPS, Pharmacy Manager, Froedtert & the Medical College of Wisconsin, Milwaukee, Wis.

● **A-B-C's and 1-2-3's of the M2B Business Plan**

Bryan C. McCarthy Jr., Pharm.D., M.S., BCPS, Director of Adult Inpatient Pharmacy Services, University of Chicago Medical Center, Chicago, Ill.

● **iMAS: Re-establishing the Inpatient Pharmacist Assistant**

David Hager, Pharm.D., BCPS, Director – Clinical Pharmacy Services, UW Health, Madison, Wis.

● **Clean Room Renovations: Navigating the Journey**

Nicholas Capote, Pharm.D., M.S., Pharmacy Manager, Sterile Products, Tufts Medical Center, Boston, Mass.

● **Stack the Spinning Plates: Using Opioid Diversion Monitoring to Identify Patient Care Improvements**

Stacy Cassat, Pharm.D., M.S., PGY2 HSPA Resident, Saint Luke's Hospital of Kansas City, Kansas City, Mo.

● **Applying Lean Principles to Controlled Substance Handling**

Ellen Prichard, Pharm.D., M.B.A., BCPS, Inpatient Operations Manager, The University of Kansas Health System, Kansas City, Kan.

● **Use of Dashboards in the Setting of Opioid Overprescribing**

Ketayoun (Kathy) Davari, Pharm.D., Associate Chief, Pharmacy Clinical Services, Veterans Health Administration Hospital, Decatur, Atlanta, Ga.

● **IV Room Workload and Productivity Dashboard**

Jason T. Wong, Pharm.D., PGY2 Health-System Pharmacy Administration Resident, Oregon Health and Science University, Portland, Ore.

● **Improving Compliance Readiness Through Transparency**

Chad Smith, Pharm.D., M.B.A., BCPS, Director of Pharmacy Services, St. Luke's Medical Center – Aurora Health Care, Milwaukee, Wis.

● **Environmental Service, Patient Transport, Dietary... Possible Pharmacy Employees?**

Michael Jakubecz, R.Ph., M.B.A., Director of Pharmacy, Cleveland Clinic, Cleveland, Ohio

● **Advancing the Profession of Pharmacy Through Continuing Professional Development: One Organization's Journey to Developing Their Pharmacist Staff**

Nancy Rampe, Pharm.D., M.H.A., Pharmacy Manager, St. Rita's Medical Center, Lima, Ohio

● **24/7 Emergency Department Pharmacist Coverage: Justification and Implementation**

Evan A. Williams, Pharm.D., M.S., BCPS, Inpatient Clinical Manager, The University of Kansas Hospital, Kansas City, Kan.

● **Building Your Business Intelligence Team to Produce Positive Outcomes for the Pharmacy Enterprise**

Jack Temple, Pharm.D., M.S., Director, Pharmacy Business Services and Informatics, UW Health, Madison, Wis.

continues >

● **The Future Is Now: Developing Tomorrow's Pharmacy Leaders Today**

Anthony C. Scott, Pharm.D., B.S., Assistant Director of Pharmacy, The University of Chicago Medicine, Chicago, Ill.

● **Getting Off on the Right Foot: Effective Strategies to Drive Team Engagement in a New Role**

Jordan Dow, Pharm.D., M.S., FACHE, Regional Director of Pharmacy, Mayo Clinic Health System, Eau Claire, Wis.

● **FTE Gymnastics: Doing a Split**

Julia Glowczewski, Pharm.D., BCPS, Director of Pharmacy, Cleveland Clinic Health System – Euclid Hospital, Cleveland, Ohio

8:00 a.m. - 10:00 a.m.

W209 A, Level 2

■ **The Hidden Opioid Abuse Problem: Is It Geriatric Opioid Abuse or Is Grandma Really a Junkie?**

ACTIVITY #0204-0000-17-236-L01-P
2.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCGP

Program Chair/Moderator: Ernest J. Dole, Pharm.D., BCPS, FASHP, PhC, Clinical Pharmacist, University of New Mexico Hospitals and Clinical Associate Professor, University of New Mexico Health Sciences College of Pharmacy, Albuquerque, N.M.

Learning Objectives:

- Analyze patient-specific information to identify geriatric opioid abuse (GOA) in the setting of chronic opioid therapy, including risk factors for GOA and misdiagnosis.
- Analyze patient-specific information to identify comorbid conditions that may influence the clinical presentation of GOA, including the impact of advanced age on opioid pharmacokinetics and pharmacodynamics in the elderly.
- Given patient-specific information, design a care plan that addresses the management of concurrent chronic noncancer pain and opioid abuse in an elderly patient.

Presenters:

Ernest J. Dole, Pharm.D., BCPS, FASHP, PhC
Michele L. Matthews, Pharm.D., BCACP, CPE, FASHP, Associate Professor of Pharmacy Practice, MCPHS University, Advanced Practice Pharmacist – Pain Management, Brigham and Women's Hospital, Boston, Mass.

For more information, see page 34.

8:00 a.m. - 10:00 a.m.

Chapin Theater W320, Level 3

■ **Hot Topics in Antimicrobial Stewardship**

Planned in cooperation with the Society of Infectious Diseases Pharmacists

ACTIVITY #0204-0000-17-238-L01-P
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Monica V. Mahoney, Pharm.D., BCPS-AQ ID, Clinical Pharmacy Coordinator, Infectious Diseases, Beth Israel Deaconess Medical, Boston, Mass.

Learning Objectives:

- Identify key metrics that can be used to measure antibiotic consumption.
- Discuss strategies for performing and implementing stewardship within specialty groups.
- Describe stewardship interventions in distinct infectious diseases/conditions.
- Summarize national activities related to antimicrobial stewardship.

Presenters:

P. Brandon Bookstaver, Pharm.D., AAHIVP, BCPS, FCCP, FIDSA, Associate Professor, University of South Carolina College of Pharmacy, Columbia, S.C.

Susan L. Davis, Pharm.D., Associate Professor (Clinical), Wayne State University, Detroit, Mich.

Jason C. Gallagher, Pharm.D., BCPS, FCCP, FIDSA, Clinical Professor, Temple University, Philadelphia, Pa.

Kevin W. Garey, Pharm.D., M.S., FASHP, Professor and Chair, University of Houston, Houston, Texas

Jamie Kisgen, Pharm.D., BCPS-AQ ID, Pharmacotherapy Specialist – Infectious Diseases, Sarasota Memorial Health Care System, Sarasota, Fla.

Kristi Kuper, Pharm.D., BCPS, Senior Clinical Manager, Infectious Diseases, Vizient, Katy, Texas

Monica V. Mahoney, Pharm.D., BCPS-AQ ID

Melinda Neuhauser, Pharm.D., M.P.H., FASHP, FCCP, Pharmacist and Acute Care Lead, Office of Antibiotic Stewardship, Centers for Disease Control and Prevention, Atlanta, Ga.

N. Jim Rhodes, Pharm.D., M.Sc., BCPS, Assistant Professor, Midwestern University, Downers Grove, Ill.

Lucas T. Schulz, Pharm.D., BCPS-AQ ID, Clinical Coordinator – Infectious Diseases, University of Wisconsin Health, Madison, Wis.

8:45 a.m. - 9:15 a.m.

W204 C, Level 2

■ **(Management Case Study) Meeting Joint Commission Antimicrobial Stewardship Requirements with Limited Resources**

ACTIVITY #0204-0000-17-361-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Samar Nicolas, Pharm.D., Medication Safety, Quality, and Informatics Fellow, St. Vincent Hospital, Worcester, Mass.

Learning Objectives:

- List antimicrobial stewardship activities developed for a successful stewardship program based on consensus guidelines.
- Describe specific outcomes as a result of focused antimicrobial stewardship efforts.
- Discuss different reporting strategies of stewardship metrics.

Presenter:

Jennifer L. Richardson, Pharm.D., BCPS, CACP, Clinical Coordinator, Mercy Health – St. Anne Hospital, Toledo, Ohio

9:30 a.m. - 10:00 a.m.

W204 C, Level 2

■ (Management Case Study) Systematic Change from Poorly Controlled Warfarin to a Direct Oral Anticoagulant Within an Established Anticoagulation Service

ACTIVITY #0204-0000-17-362-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Carol Heunisch, Pharm.D., BCPS, Pharmacy Director, NorthShore University HealthSystem, Evanston, Ill.

Learning Objectives:

- Compare the advantages and disadvantages of switching patients from warfarin to a DOAC, considering both operational efficiencies and clinical efficacy and safety.
- Describe a workflow to quickly identify patients who could potentially benefit from switching from warfarin to a DOAC.
- List common reasons patients chose to remain on warfarin when it was recommended to switch to a DOAC, and describe strategies to overcome them.

Presenter:

Ryan P. Fleming, Pharm.D., Manager, Thrombosis Service, University of Utah Health, Salt Lake City, Utah

9:45 a.m. - 11:00 a.m.

W315 A, Level 3

■ Addiction Is in the Genes: How Pharmacogenetics Plays a Role in Opioid Addiction

ACTIVITY #0204-0000-17-244-L01-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Nancy Goodbar, Pharm.D., BCPS, Assistant Dean for Professional and Student Affairs, Presbyterian College School of Pharmacy, Clinton, S.C.

Learning Objectives:

- Describe pharmacogenetic testing results as they correlate to opioid therapy.
- Apply acquired knowledge of pharmacogenetic testing and results to simulated patient cases in order to recommend appropriate opioid therapy options.
- Evaluate the practical use of various pharmacogenetic reports for pain management treatment options.
- Identify ways in which pharmacogenetics could be used to optimize pain management treatment regimens and aid in minimizing addiction, abuse, and adverse drug effects.

Presenter: Christopher Farrell, Ph.D., Associate Professor, Presbyterian College, Clinton, S.C.

9:45 a.m. - 11:00 a.m.

W304 F, Level 3

■ Academic Life: The Nuts and Bolts to a Successful Faculty Career

Planned in cooperation with the American Association of Colleges of Pharmacy

ACTIVITY #0204-0000-17-308-L04-P
1.25 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP, Clinical Professor, University of Wyoming, Laramie, Wyo.

Learning Objectives:

- Identify trends in pharmacy education that are shaping the workforce of the pharmacy profession.
- Outline the potential benefits, opportunities, and challenges associated with a career in academia.
- Explain the requirements for promotion and tenure that are relevant for clinician educators.
- Describe strategies to enhance one's professional career in an academic setting.

Presenters:

Jane Gervasio, Pharm.D., BCNSP, FCCP, Pharmacy Practice Department Chair, Butler University, Indianapolis, Ind.

Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP, Clinical Professor, University of Wyoming, Laramie, Wyo.

Steven A. Scott, Pharm.D., B.S.Pharm., Professor, Purdue College of Pharmacy, West Lafayette, Ind.

10:00 a.m. - 11:00 a.m.

W307 B, Level 3

■ TRANSitioning Pharmacy Practice to Meet the Needs of the Gender Revolution

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-239-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Cheyenne Newsome, Pharm.D., BCACP, PhC, Clinical Assistant Professor, Washington State University College of Pharmacy, Spokane, Wash.

Learning Objectives:

- Describe the effects of medications used in the management of gender dysphoria.
- Given a patient case, evaluate the risks and benefits of hormone therapy.
- Recommend interventions pharmacists can make to reduce the risk of harm in patients with gender dysphoria taking hormone therapy.

Presenters:

Jessica Conklin, Pharm.D., AAHIVP, BCACP, CDE, PhC, Assistant Professor, University of New Mexico College of Pharmacy, Albuquerque, N.M.

Cheyenne Newsome, Pharm.D., BCACP, PhC

10:00 a.m. - 11:00 a.m. W207 A, Level 2

You're on the Team! Expanding Opportunities for Pharmacists in Patient-Centered Medical Homes

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-240-L04-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Amber K. Fisher, Pharm.D., BCACP, Program Director, Boise VAMC, Boise, Idaho

Learning Objectives:

- Apply information gathered from population health registry to propose new initiatives or management strategies to a population of patients.
- List preventive health initiatives that could be supported by PCMH pharmacists.
- Develop at least one implementation idea for a new clinic or health-system initiative based on preventive care or population health strategies.

Presenters:

Amber K. Fisher, Pharm.D., BCACP
Jonathan R. White, Pharm.D., BCACP, BCPS, Clinical Pharmacy Specialist – Primary Care and Endocrinology, Providence Medical Group, Portland, Ore.

10:00 a.m. - 11:00 a.m. Valencia W415 D, Level 4

Overcoming Patient Safety Challenges Associated with Drug Shortages

ACTIVITY #0204-0000-17-245-L05-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCCCP, BCPS
Program Chair/Moderator: Erin Fox, Pharm.D., BCPS, FASHP, Director, Drug Information Service, University of Utah Health, Adjunct Associate Professor, University of Utah College of Pharmacy, Department of Pharmacotherapy, Salt Lake City, Utah

Learning Objectives:

- Identify the key causes of drug shortages in the United States.
- Evaluate the patient safety issues associated with drug shortages.
- Develop drug shortage management strategies to minimize patient safety concerns.

Presenters:

Erin Fox, Pharm.D., BCPS, FASHP
Natasha Nicol, Pharm.D., FASHP, Director of Global Patient Safety Affairs, Cardinal Health, Pawleys Island, S.C.

For more information, see page 34.



All attendees must claim their CE credits ONLINE WITHIN 60 DAYS of the sessions they attended.

10:00 a.m. - 11:00 a.m. Valencia W415 C, Level 4

Updates in the Management of Septic Shock

ACTIVITY #0204-0000-17-246-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Jeremy DeGrado, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist, Critical Care, Brigham and Women's Hospital, Boston, Mass.

Learning Objectives:

- Compare and contrast 2016 guidelines compared to 2012, specifically with regard to definitions and early goal-directed therapy.
- Given a patient case, describe various methods of hemodynamic assessment and possible pharmacotherapy options for support.
- Describe the impact of various regulations on local sepsis guideline and protocol development.
- Apply and interpret international guidelines.

Presenters:

Jeremy DeGrado, Pharm.D., BCCCP, BCPS
Heather Torbic, Pharm.D., BCCCP, BCPS, Medical ICU Clinical Pharmacy Specialist, Cleveland Clinic, Cleveland, Ohio

10:00 a.m. - 11:00 a.m. W208 A, Level 2

Outpatient Infusion Medication Reimbursement: Bridging the Gap Between Pharmacy and Finance

ACTIVITY #0204-0000-17-293-L04-P/0204-0000-17-293-L04-T
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Nisha Pherwani, Pharm.D., BCOP, Clinical Director, Cardinal Health, Robbinsville, N.J.

Learning Objectives:

- Interpret federal reimbursement guidelines applicable in the hospital outpatient infusion center setting.
- Outline a step-wise approach that pharmacy leadership can use to obtain and analyze reimbursement information.
- Demonstrate tactics that pharmacy leadership can use to work with finance to improve communication and reimbursement outcomes.

Presenters:

Seth Hall, Pharm.D., Director of Pharmacy, CardinalHealth/Western MO Medical Center, Warrensburg, Mo.
Nisha Pherwani, Pharm.D., BCOP

10:00 a.m. - 11:00 a.m.

W314 A, Level 3

■ Unique Toxicity Profiles of BiTE and Experimental T-cell Therapies: Clinical Presentation and Management

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-327-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Carolyn J. Oxencis, Pharm.D., B.A., BCOP, BCPS, Clinical Pharmacist, Hematology/Oncology, Clinical Assistant Professor, Froedtert & the Medical College of Wisconsin, Medical College of Wisconsin School of Pharmacy, Milwaukee, Wis.

Learning Objectives:

- Describe the immunologic mechanism and toxicities of blinatumomab and CAR-T cell therapies, including cytokine release syndrome and neurotoxicity.
- Recommend a patient-specific supportive care interventions and monitoring plans for patients receiving blinatumomab and CAR-T cell therapies.
- Design an operational strategy and evaluate education considerations necessary for implementation of specialized immunotherapy treatments at a clinical practice site.

Presenters:

Ali McBride, Pharm.D., M.S., BCOP, BCPS, FAzPA, Clinical Coordinator, The University of Arizona Cancer Center, Tucson, Ariz.

Brandon Shank, Pharm.D., M.P.H., BCOP, CPH, Clinical Pharmacy Specialist, University of Texas MD Anderson Cancer Center, Houston, Texas

10:00 a.m. - 11:00 a.m.

W308 B, Level 3

■ FDA Update on Compounding

ACTIVITY #0204-0000-17-342-L07-P/0204-0000-17-342-L07-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Jillanne Schulte Wall, J.D., Director, Federal Regulatory Affairs, ASHP, Bethesda, Md.

Learning Objectives:

- Identify the statutory requirements that apply to hospital and health system compounding.
- List the statutory requirements that apply to outsourcing facilities.
- Identify and describe the contents of key FDA guidances related to compounded drugs used and prepared in hospitals and health systems.

Presenter:

Julie A. Dohm, J.D., Ph.D., Senior Science Advisor for Compounding, U.S. Food and Drug Administration, Silver Spring, Md.

10:00 a.m. - 11:00 a.m.

Valencia W415 A, Level 4

■ Tale of the Hurricanes: Lessons Learned for Pharmacy Practice

LATE-
BREAKING
SESSION

ACTIVITY #0204-0000-17-379-L04-P/0204-0000-17-379-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Doina Dumitru, Pharm.D., M.B.A., FASHP, Director, Professional Services, BD, Houston, Texas

Learning Objectives:

- List two strategies that can mitigate the risk of drug supply loss during a natural disaster.
- Identify an operational plan that can ensure adequate staffing levels during catastrophic community road closures.

Presenters:

John A. Armitstead, M.S., B.S., FASHP, System Director of Pharmacy, Lee Health, Fort Myers, Fla.

Shaji Varghese, B.S.Pharm., M.B.A., LSSGB, Director of Pharmacy, Harris Health System, Houston, Texas

Alex C. Varkey, Pharm.D., M.S., Director of Pharmacy, Houston Methodist Hospital, Houston, Texas.

10:15 a.m. - 10:45 a.m.

W204 C, Level 2

■ (Management Case Study) Best Practice Alerts for Potentially Inappropriate Medications in Older Adults

ACTIVITY #0204-0000-17-363-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Geri Gowan, Pharm.D., Community Residency Coordinator, Baylor Scott and White Health, Temple, Texas

Learning Objectives:

- Describe methods for implementing efficient best practice alerts and recommendations for potentially inappropriate medications in adults 65 years and older.
- List steps to ensure effective continuous quality improvement for prescribing appropriate doses.
- List strategies for minimizing alert desensitization when implementing best practice alerts.

Presenters:

Leilani Isozaki, Pharm.D., PGY2 Medication-Use Safety, Loma Linda University, Loma Linda, Calif.

Huy Le, Pharm.D., R.Ph., Medication Safety/Pharmacy Quality Management Coordinator, Loma Linda University Medical Center, Loma Linda, Calif.

10:30 a.m. - 11:00 a.m. W209 A, Level 2

Vendor Speed Dating: Choosing the Right Partner for You and Your Organization

ACTIVITY #0204-000-17-377-L04-P/0204-000-17-377-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Ashley Mains Espinosa, Pharm.D., M.S., CPHIMS, System Pharmacy Manager, SCL Health, Denver, Colo.

Learning Objectives:

- Evaluate stakeholder, system, and project requirements.
- Describe a process for engaging vendors.
- Explain a method for vendors to solve problems your stakeholders have identified.

Presenters:

Chris Bell, Pharm.D., M.S., Pharmacy Director, University of Kansas Health System, Kansas City, Kans.
Ashley Mains Espinosa, Pharm.D., M.S., CPHIMS

2:00 p.m. - 2:30 p.m. W204 C, Level 2

(Management Case Study) How to Flatten Your Pharmacy Budget

ACTIVITY #0204-0000-17-364-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Glen Albracht, Pharm.D., M.S., FASHP, Chief of Pharmacy, Salisbury VA Health Care System, Salisbury, N.C.

Learning Objectives:

- Describe the cost saving strategic planning process.
- List the tools used in the development and implementation of cost saving initiatives.
- Explain the success of cost saving initiatives in our program.

Presenter:

Hai P. Tran, Pharm.D., BCPS, Associate Director, Cedars-Sinai Medical Center, Los Angeles, Calif.

2:00 p.m. - 3:30 p.m. W207 A, Level 2

Challenges in Transplantation: The Notorious DSA (Donor Specific Antibodies)

Planned in cooperation with the American Society of Transplantation Pharmacy Community of Practice

ACTIVITY #0204-0000-17-247-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Christina Doligalski, Pharm.D., BCPS, Solid Organ Transplant Pharmacotherapy Specialist, Tampa General Hospital, Tampa, Fla.

Learning Objectives:

- Describe the impact of costimulatory pathways in the development of Donor Specific Antibodies (DSA) and evaluate the role costimulatory blockade has in prevention of DSA development.

- Assess the utility of mTOR inhibitors in the prevention of DSA development.
- Using the data provided, recommend a role in therapy for IVIG in the treatment of donor specific antibodies.

Presenters:

Elizabeth A. Cohen, Pharm.D., BCPS, Clinical Pharmacy Specialist, Yale New Haven Hospital, New Haven, Conn.
Megan E. Goetz, Pharm.D., BCPS, Abdominal Transplant Clinical Pharmacy Specialist, University of Kentucky Health Care, Lexington, Ky.
Arin Jantz, Pharm.D., BCPS, Pharmacy Specialist – Solid Organ Transplant, Henry Ford Hospital, Detroit, Mich.

2:00 p.m. - 3:30 p.m. W208 A, Level 2

Bariatrics: It's More Than Just Weight Loss!

ACTIVITY #0204-0000-17-248-L04-P/0204-0000-17-248-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Christine A. Grass, B.S.Pharm., Clinical Pharmacist, SSM Health DePaul Hospital St Louis, Bridgeton, Mo.

Learning Objectives:

- Describe the impact of obesity on patients and the health-care system.
- Identify the most common bariatric procedures currently being performed in obese patients.
- List the medications and supplements that bariatric patients must take.
- Explain dosing challenges in bariatric patients, including current absorption research.
- Summarize the lifestyle changes that bariatric patients must make.

Presenters:

Angela K. Gomez, Ph.D., CBE, Manager, Continuing Education Programs, Cardinal Health, College Station, Texas
Christine A. Grass, B.S.Pharm.
Kim Hancock, R.Ph., Ph.D., B.S., Professor of Pharmaceutics/Department Chair Pharmaceutical Science, Ferris State University College of Pharmacy, Big Rapids, Mich.

#ASHP17

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2:00 p.m. - 3:30 p.m.

W307 B, Level 3

■ Enhancing Quality of Care: Pharmacist Clinical Documentation in an Integrated EMR System

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-249-L04-P/0204-0000-17-249-L04-T

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: **Kerry A. Goldrosen, Pharm.D.**, Clinical Informatics Pharmacist, UW Health, Madison, Wis.

Learning Objectives:

- Discuss methods pharmacists can use to document various interventions within EMR.
- Apply the smart MTM document template for data collection and billing services.
- Evaluate pharmacist clinical documentation standards in an integrated the electronic medical record (EMR).

Presenters:

Brian K. Fung, Pharm.D., BCPS, Medication Management Informaticist, Mayo Clinic, Rochester, Minn.

Kerry A. Goldrosen, Pharm.D.

Andrew McLaughlin, Pharm.D., R.Ph., M.B.A., Senior Consultant, Cerner Corporation, Kansas City, Mo.

2:00 p.m. - 3:30 p.m.

W308 B, Level 3

■ Clinical Conundrums in Critical Care: Best Practices Not Addressed in Guidelines

ACTIVITY #0204-0000-17-250-L01-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: **Mitchell S. Buckley, Pharm.D., BCCCP, FASHP, FCCM, FCCP**, Clinical Pharmacy Specialist – Critical Care, Banner – University Medical Center Phoenix, Phoenix, Ariz.

Learning Objectives:

- Recommend an evidence-based strategy for low-dose thrombolytics in high-risk bleeding patients with pulmonary embolism.
- Evaluate the role of dexmedetomidine in agitated ICU patients previously failing extubation.
- Evaluate the level of evidence for concomitant albumin and loop diuretics to improve urine output.

Presenters:

Mitchell S. Buckley, Pharm.D., BCCCP, FASHP, FCCM, FCCP

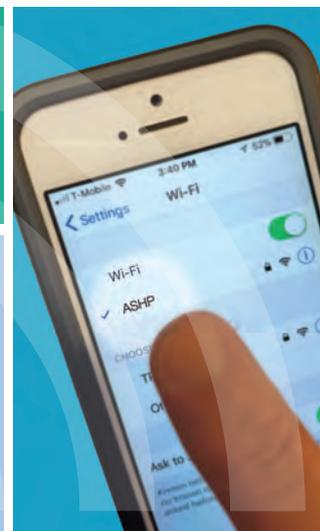
Brian Erstad, Pharm.D., BCPS, FASHP, FCCP, MCCM, Professor and Head, University of Arizona, Tucson, Ariz.

Gil Fraser, Pharm.D., B.S.Pharm., MCCM, Critical Care Pharmacist, Maine Medical Center, Portland, Maine

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2:00 p.m. - 3:30 p.m.

W209 A, Level 2

■ Nonmedical Use of Prescription Opioids by Adolescents and Young Adults: Strategies for Pharmacists

Planned in cooperation with the American Pharmacists Association

ACTIVITY #0204-9999-17-252-L01-P

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCACP, BCPPS

Program Chair/Moderator: **Kelly L. Matson, Pharm.D., BCPPS**, Clinical Professor, University of Rhode Island, Kingston, R.I. and Pediatric Clinical Specialist, UMass Memorial Medical Center, Worcester, Mass.

Learning Objectives:

- Assess an adolescent or young adult patient using appropriate screening tools for opioid misuse or opioid use disorder and determine whether brief intervention or referral for treatment is needed.
- Develop a treatment approach for detoxification and medication-assisted recovery in an adolescent or young adult with opioid use disorder.
- Recommend co-prescribing of naloxone with a prescription opioid and provide caregiver training on naloxone administration.
- Recommend school- and home-based opioid misuse prevention strategies for adolescent and young adult patients and their families.

Presenters:

Jeffrey P. Bratberg, Pharm.D., Clinical Professor, University of Rhode Island, Kingston, R.I. and ID/Critical Care Specialist, Roger Williams Medical Center, Providence, R.I.

Kelly L. Matson, Pharm.D., BCPPS

For more information, see page 34.

2:00 p.m. - 3:30 p.m.

W414 B, Level 4

Reducing Geriatric Patient Risk at the Transition of Care from Hospital to Home

ACTIVITY #0204-0000-17-254-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCGP

Program Chair/Moderator: Danielle Fixen, Pharm.D., BCPS, Assistant Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

Learning Objectives:

- Design a transitional care workflow in which pharmacists play an integral role using the Centers for Medicare & Medicaid Services Transitional Care Management billing criteria.
- Evaluate medications associated with post-discharge adverse drug events (ADEs).
- Develop strategies to prevent ADEs after discharge.

Presenters:

Crystal Burkhardt, Pharm.D., M.B.A., BCGP, BCPS, Clinical Associate Professor, University of Kansas, Kansas City, Kan.
Danielle Fixen, Pharm.D., BCPS

For more information, see page 34.

2:00 p.m. - 3:30 p.m.

W311 B, Level 3

Lead, Legislate, and Implement: Expanded Pharmacist Practice in Action

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-255-L03-P
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Katherine A. Miller, Pharm.D., M.H.A., Pharmacy Director – System Inpatient Clinical Services, The University of Kansas Health System, Kansas City, Kan.

Learning Objectives:

- Explain the key steps in developing expanded practice legislation for pharmacists.
- Identify key stakeholders to support successful legislation and implementation of expanded pharmacist scope of practice.
- List examples of successful implementations of expanded scope of practice for pharmacists.

Presenters:

Samuel Calabrese, B.S.Pharm., M.B.A., FASHP, Associate Chief Pharmacy Officer, Cleveland Clinic, Cleveland, Ohio
Steven Chen, Pharm.D., FASHP, FNAP, Associate Dean for Clinical Affairs, University of Southern California, Los Angeles, Calif.

Gina Moore, Pharm.D., M.B.A., Assistant Dean for Clinical and Professional Affairs, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

2:00 p.m. - 3:30 p.m.

W304 F, Level 3

Antimicrobial Stewardship Strategies to Reduce Hospital-Acquired Clostridium Difficile Infections

Planned in cooperation with the Society of Infectious Diseases Pharmacists

ACTIVITY #0204-0000-17-256-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair: Erin K. McCreary, Pharm.D., BCPS, Education and Development Coordinator, Infectious Diseases Pharmacist, University of Wisconsin Health, Madison, Wis.

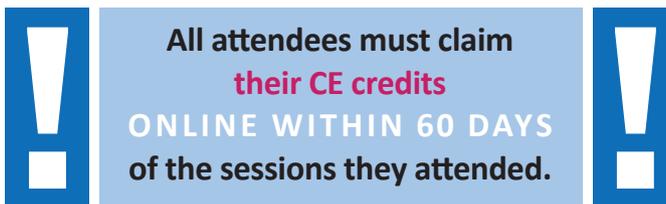
Moderator: Lucas T. Schulz, Pharm.D., BCPS-AQ ID, Clinical Coordinator – Infectious Diseases, University of Wisconsin Health, Madison, Wis.

Learning Objectives:

- Design team-based antimicrobial stewardship initiatives to reduce Clostridium difficile infection (CDI) rates in an acute care setting.
- Evaluate available rapid diagnostic testing (RDT) and testing algorithms for Clostridium difficile.
- Recommend pharmacological and non-pharmacological interventions that improve CDI rates and patient outcomes.
- Recommend pharmacological and non-pharmacological interventions that improve CDI rates and patient outcomes.

Presenters:

Erin K. McCreary, Pharm.D., BCPS
Jerod Nagel, Pharm.D., Clinical Specialist, Infectious Diseases, University of Michigan Health System, Ann Arbor, Mich.
Tristan Timbrook, Pharm.D., M.B.A., BCPS, Antimicrobial Stewardship Pharmacy Specialist, University of Utah, Salt Lake City, Utah



2:00 p.m. - 3:30 p.m.

W304 B, Level 3

■ Read My Lips: A Case-Based Approach to Managing Acute Angioedema

ACTIVITY #0204-0000-17-317-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Megan E. Musselman, Pharm.D., M.S., BCCCP, BCPS, Clinical Pharmacy Specialist, Emergency Medicine/Critical Care, North Kansas City Hospital, North Kansas City, Mo.

Learning Objectives:

- Review current causes and treatments for patients presenting with general angioedema.
- Evaluate treatment for patients who present with acute hereditary angioedema.
- Select treatment for patients who present with angiotensin-converting enzyme inhibitor angioedema.

Presenters:

Katelyn Dervay, Pharm.D., M.P.H., BCPS, FASHP, Pharmacotherapy Specialist - Emergency Medicine and Director, PGY2 Emergency Medicine Residency, Tampa General Hospital, Tampa, Fla.

Jeremy Hampton, Pharm.D., BCPS, Clinical Associate Professor/Emergency Medicine Clinical Specialist, UMKC School of Pharmacy/Truman Medical Center, Kansas City, Mo.

Megan E. Musselman, Pharm.D., M.S., BCCCP, BCPS

2:00 p.m. - 3:45 p.m.

W314 A, Level 3

■ Communicating Value in a Multihospital Health System: Reserving Pharmacy's Seat at the Table

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-251-L04-P
1.75 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Amanda Hansen, Pharm.D., M.H.A., FACHE, Assistant Director of Pharmacy, Cleveland Clinic, Cleveland, Ohio

Learning Objectives:

- Identify opportunities for the pharmacy department to maximize value within the multihospital organization.
- Identify skills needed for strategic communication with health system executives.
- Explain common barriers to maximizing pharmacy's value in multihospital systems.
- Select ways to overcome these barriers.

Presenters:

Steve Rough, R.Ph., M.S., FASHP, Senior Director of Pharmacy, University of Wisconsin Health, Madison, Wis.

Daniel Schenkat, Pharm.D., M.S., Clinical Manager, Central Inpatient Pharmacy, UNC Health Care, Chapel Hill, N.C.

See page 133 for presenter disclosures.

2:00 p.m. - 4:00 p.m.

W312 A, Level 3

■ BCOP Clinical Sessions: New Oncology Drugs and Updates on the Management of Nausea and Vomiting

Planned in cooperation with the American College of Clinical Pharmacy

ACTIVITY #0217-9999-17-162-L01-P
2.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCOP

Moderator: Amanda N. Seddon, Pharm.D., BCOP, BCPS, Assistant Professor of Pharmacy Practice and Clinical Pharmacy Specialist, Hematology/Oncology/Cellular Therapy, Midwestern University, Chicago College of Pharmacy, Downers Grove, Ill.

Learning Objectives:

- Evaluate the clinical benefit of olaratumab in soft tissue sarcomas.
- Examine the relationship between BRCA mutations and PARP inhibitors and distinguish the therapeutic role of PARP inhibition in ovarian cancer.
- Examine the role of CDK 3/4 inhibition in breast cancer and the clinical benefit of ribociclib.
- Recommend a monitoring plan and dose adjustment to manage ribociclib toxicities.
- Compare the mechanism of action of PD-1 and PD-L1 inhibitors.
- Assess the clinical benefit and place in therapy for durvalumab and avelumab.
- Discuss the prognostic significance of FLT3 mutated AML and explain the clinical benefit seen with midostaurin in the RATIFY trial.
- Summarize the key elements of chemotherapy-induced nausea and vomiting.
- Assess the current, published guidelines for chemotherapy-induced nausea and vomiting.
- Identify and recommend therapeutic options for the management of chemotherapy-induced nausea and vomiting.

Presenters:

Mary Golf, Pharm.D., BCOP, Pharmacy Manager, Hematology/Oncology, PGY2 Oncology Residency Program Director Department of Pharmacy, Northwestern Memorial Hospital, Chicago, Ill.

Amanda N. Seddon, Pharm.D., BCOP, BCPS

For more information, see page 34.

2:00 p.m. - 4:00 p.m.

Valencia W415 A, Level 4

■ **2018 Payment: A Myriad of Models**

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-253-L04-P/0204-0000-17-253-L04-T
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Bonnie Kirschenbaum, M.S., B.S., FASHP, FCSHP, Consultant and Columnist, Boulder, Colo.

Learning Objectives:

- Explain 2018 changes to Medicare reimbursement and identify operational changes required to implement them.
- Develop strategies for ensuring accuracy and completeness of data submitted for reimbursement and analytics.
- Describe the business model transition from fee-for-service to capitated bundled payments or episode of care payments and the impact on revenue cycle management.
- Discuss a basis for new practitioners and clinicians to understand the financial aspect of healthcare, a topic not often covered during their formative training.

Presenters:

Tara Hanuscak, Pharm.D., M.S., System Business Director, Pharmacy Services, OhioHealth, Columbus, Ohio
Steven Johnson, Pharm.D., Regional Director of Clinical Services, Pharmacy Systems, Inc., Dublin, Ohio
Bonnie Kirschenbaum, M.S., B.S., FASHP, FCSHP
Beth Roberts, J.D., Partner, Hogan Lovells US LLP, Washington, D.C.

2:00 p.m. - 4:00 p.m.

Chapin Theater W320, Level 3

■ **Clinical Pearls 2017**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-257-L01-P
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair: Gretchen V. Lindsey, Pharm.D., B.S.Pharm., R.Ph., Senior Regional Director of Clinical Services, Pharmacy Systems, Inc., Dublin, Ohio

Moderator: Bruce R. Canaday, Pharm.D., FAPhA, FASHP, Dean, St. Louis College of Pharmacy, St. Louis, Mo.

Learning Objectives:

- Discuss clinical scenarios that might not be widely used or published.
- Identify novel practice options for patient care in various health-system settings.
- Describe medication management strategies in difficult or controversial patient care situations.
- Identify clinical information that can be applied to your work setting.

Presentations:

- **Pearls for Treating Acute Pain in a Patient Setting Using a Buprenorphine Patch for Chronic Pain**

Deirdre Pierce, Pharm.D., BCGP, BCPS, Assistant Professor, St. John Fisher College, Rochester, N.Y.

- **Fascia Iliac Compartment Block:**

- **An Adjuvant Therapy for Hip Fracture Patients**

- **Christi Jen, Pharm.D., BCPS, FAzPA**, Clinical Pharmacist – Emergency Medicine, Banner Boswell Medical Center, Sun City, Ariz.

- **The Skinny on Intravenous Lipid Emulsions**

- **Phil Ayers, Pharm.D., BCNSP, FASHP**, Chief, Clinical Pharmacy Services, Baptist Medical Center, Jackson, Miss.

- **Novel Insulins: Staying in the Know**

- **Luke Miller, Pharm.D., BCPS**, Clinical Pharmacist, St. Vincent’s HealthCare, Jacksonville, Fla.

- **Pharmacist-Run TelePrEP (HIV Pre-exposure Prophylaxis) Clinic**

- **Dena Behm Dillon, Pharm.D., AAHIVP**, HIV Clinical Pharmacy Specialist, University of Iowa Health Care, Iowa City, Iowa

- **Pharmacists Caring for Transgender Patients**

- **Brandon Shank, Pharm.D., M.P.H., BCOP, CPH**, Clinical Pharmacy Specialist, University of Texas MD Anderson Cancer Center, Houston, Texas

- **Voriconazole Dosing: Let’s Make it Personal**

- **Cyrine E. Haidar, Pharm.D. BCPS, BCOP**, Clinical Pharmacogenetics Coordinator, St. Jude Children’s Research Hospital, Memphis, Tenn.

- **Thrice is Nice? Evidence Supporting 3X Weekly Dosing of Ertapenem in Chronic Hemodialysis Patients**

- **Denise Kelley, Pharm.D., BCPS**, Internal Medicine Pharmacy Specialist, UF Health Jacksonville Medical Center, Jacksonville, Fla.

- **Bezlotoxumab – A DIFFICULT Formulary Decision?**

- **Tyler Turek, Pharm.D., BCPS**, Pharmacy Clinical Manager, Sanford USD Medical Center, Sioux Falls, S.D.

- **Immunotherapy-Induced Colitis:**

- **A Case-Based Approach to Treatment**

- **Marco Martino, Pharm.D., M.B.A., BCOP, BCPS**, Operations Team Lead (Hematology/Oncology), Northwestern Medicine, Chicago, Ill.

- **Moving the Needle on Door-to-Needle**

- **Timothy Mantey, Pharm.D., BCPS**, Lead Clinical Pharmacy Specialist, McLaren Bay Region, Bay City, Mich.

- **Warfarin Pharmacogenomics: The New Crystal Ball?**

- **Henry M. Dunnenberger, Pharm.D., BCPS**, Director – Pharmacogenomics, NorthShore University HealthSystem, Evanston, Ill.

- **James C. Lee, Pharm.D., BCACP**, Clinical Assistant Professor, Clinical Lead/Co-Director, University of Illinois at Chicago College of Pharmacy, University of Illinois Hospital & Health Sciences System, Chicago, Ill.

- **Restoring the X Factor**

- **John Kappes, Pharm.D., BCCCP**, Associate Professor, South Dakota State University, Rapid City, S.D.

- **It’s Nothing to Fib About:**

- **The Antiarrhythmic Potential of Ranolazine**

- **Michael J. Scalese, Pharm.D., BCPS, CACP**, Cardiology Clinical Pharmacy Specialist and Assistant Clinical Professor, Auburn University Harrison School of Pharmacy, Mobile, Ala.

- **Targeting High-Risk Cardiology Patients Utilizing a Population Approach to Guide Pharmacist Interventions**
Teryn Bibb, Pharm.D., PGY2 Ambulatory Care Pharmacy Resident, University of Iowa Hospitals and Clinics, Iowa City, Iowa
- **A Pharmacist Nose Best: An Overview of Intranasal Medication Administration**
Jenny Mason Steinbrenner, Pharm.D., BCPPS, BSPS, Pediatric Emergency Medicine Clinical Pharmacist, Nationwide Children's Hospital, Columbus, Ohio
- **A Multidisciplinary Team Approach to Treating Patients with Atrial Fibrillation in the Emergency Department can Significantly Improve Guideline-Based Anticoagulation and Reduce the Risk of Stroke**
Kim Schwab, Pharm.D., BCPS, Emergency Department Clinical Specialist, Sharp Healthcare, San Diego, Calif.
- **Drug Interactions in Transplant Patients**
Holly Meadows, Pharm.D., BCPS, Clinical Pharmacy Specialist – Solid Organ Transplantation, Medical University of South Carolina, Charleston, South Carolina
- **Morphine Use in Cooling Neonates**
Tina Lee, Pharm.D., BCPPS, Clinical Specialist, NICU, CHOC Children's, Orange, Calif.

2:45 p.m. - 3:15 p.m.

W204, Level 2

■ (Management Case Study) Formulary Standardization and Therapeutic Interchange Control Pharmaceutical Supply Costs Across a Diverse Network

ACTIVITY #0204-0000-17-365-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Glen Albracht, Pharm.D., M.S., FASHP, Chief of Pharmacy, Salisbury VA Health Care System, Salisbury, N.C.

Learning Objectives:

- Describe approaches used to implement a comprehensive formulary management program.
- Define measurements of normalized pharmaceutical supply expense across a diverse multi-hospital integrated network.
- Explain how formulary management and integrated therapeutic interchange programs effectively managed escalating pharmaceutical supply expense trends.

Presenters:

John M. Guzallis, Pharm.D., BCPS, Director of Pharmacy, CHI Health Lakeside, Omaha, Neb.

David Schmidt, Pharm.D., BCPS, DPLA, Division Director Clinical Pharmacy Services, CHI Health, Omaha, Neb.

3:30 p.m. - 4:00 p.m.

W204 C, Level 2

■ (Management Case Study) Designing a Standardized Business Practice Assessment Program to Measure Policy Adherence and Compliance

ACTIVITY #0204-0000-17-366-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

See page 133 for presenter disclosures.

Moderator: Kirsten Parker, Pharm.D., BCGP, BCPS, Residency Program Director, Manatee Memorial Hospital, Bradenton, Fla.

Learning Objectives:

- Explain why a national BPA was created.
- Determine how to select questions for an assessment.
- Describe how the results were evaluated and applied.

Presenter: Caroline Manacop, Pharm.D., PRS, Pharmacy Project Manager, Kaiser Permanente, Downey, Calif.

4:00 p.m. - 5:00 p.m.

W207 A, Level 2

■ When Good Hormones Go Bad: Acute Management of Endocrine Emergencies

ACTIVITY #0204-0000-17-215-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Learning Objectives:

- Describe the management of endocrine emergencies in the emergency department with emphasis on potential pharmacotherapy interventions.
- Evaluate potential strategies to ensure appropriate implementation of expert recommendations in a busy emergency department.
- Determine effective strategies for optimizing patient outcomes and minimizing the risk of medication errors.

Presenter:

Kyle A. Weant, Pharm.D., BCPS, FCCP, Emergency Medicine Clinical Pharmacy Specialist, Medical University of South Carolina, Charleston, S.C.

4:00 p.m. - 5:00 p.m.

W307 B, Level 3

■ Proposed Current Concepts to Improve Clinical Workflow and Gather Big Data Through Clinical Decision Support

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-261-L04-P/0204-0000-17-261-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Connie L. Saltsman, Pharm.D., M.B.A., CPHIMA, Assistant Vice President, Medication Management & Clinical Pharmacy Informatics, HCA, Nashville, Tenn.

Learning Objectives:

- Given the description of a specific clinical decision support (CDS), develop an appropriate location within the clinician workflow to place the CDS.
- Identify the most appropriate method(s) for monitoring the outcome and usage of a CDS.
- Describe items to include in the evaluation of CDS.

Presenter:

Risa C. Rahm, Pharm.D., CPHIMS, Director, Medication Management & Clinical Pharmacy Informatics, HCA, Nashville, Tenn.

4:00 p.m. - 5:00 p.m.

W209 A, Level 2

Big Challenges for Small Patients: Update on the Management of Methicillin-resistant Staphylococcus aureus (MRSA) in Pediatrics

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-263-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Recertification Credit for: BCPPS

Program Chair/Moderator: Audrey Kennedy, Pharm.D., BCPS, Clinical Safety Officer, Children’s Mercy Kansas City, Kansas City, Mo.

Learning Objectives:

- Evaluate the impact of infection-specific characteristics and transmission prevention practices on outcomes in pediatric patients with or at risk for MRSA infections.
- Recommend evidence-based therapies and monitoring for invasive MRSA infections.
- Develop a therapeutic strategy for prevention or treatment of MRSA infection in a pediatric patient taking into consideration patient characteristics.

Presenters:

Kristen Nichols, Pharm.D., BCPPS, BCPS-AQ ID, Assistant Professor, Pharmacy Practice, Butler University, Indianapolis, Ind.
Kyana D. Stewart, Pharm.D., M.S., BCPS, Clinical Specialist Pharmacist, Children’s Health System, Children’s Medical Center Dallas, Dallas, Texas

For more information, see page 34.

4:00 p.m. - 5:15 p.m.

W304 B, Level 3

Getting to Dry: Management of Acute Decompensated Heart Failure with Volume Overload

ACTIVITY #0204-0000-17-243-L01-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Learning Objectives:

- Given a patient presenting with acute decompensated heart failure and volume overload, design an individualized strategy for relieving congestive symptoms.
- Given a patient failing to meet volume goals, determine potential etiologies of diuretic resistance and design a modified strategy for relieving congestive symptoms.
- Given a patient preparing for discharge following an episode of acute decompensated heart failure, design a strategy for reducing the risk of hospital readmission.

Presenter:

Brent N. Reed, Pharm.D., BCPS-AQ Cardiology, FAHA, Assistant Professor, University of Maryland School of Pharmacy, Baltimore, Md.

4:00 p.m. - 5:15 p.m.

W311 B, Level 3

The Heartbreaking Killer: Women and Heart Disease

ACTIVITY #0204-0000-17-264-L01-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Mary H. Parker, Pharm.D., BCPS-AQ Cardiology, FASHP, FCCP, PACT Clinical Pharmacy Specialist/Clinic Coordinator-Ambulatory Care Service, Durham VA Medical Center, Durham, N.C.

Learning Objectives:

- Describe why the American Heart Association (AHA) released a scientific statement on women and treatment of acute myocardial infarction (AMI).
- Apply knowledge of sex-based differences in physiology and pathophysiology to identify how presentation for AMI differs between women and men.
- Develop a patient-centered plan that facilitates treatment of cardiovascular risk factors for adult female patients.
- Recommend treatments and therapies for AMI in women in a timely and appropriate fashion.
- Design a roadmap to assess gaps in patient care for women with acute myocardial infarction and congestive heart failure.

Presenters:

Karen J. McConnell, Pharm.D., ASH-CHC, BCPS-AQ Cardiology, FCCP, Clinical Director and Cardiology Subject Matter Expert, Cardinal Health, Houston, Texas
Mary H. Parker, Pharm.D., BCPS-AQ Cardiology, FASHP, FCCP

4:00 p.m. - 5:15 p.m.

Valencia W415 C, Level 4

Know Your Risks: Measuring and Identifying Using the RIGHT Data

ACTIVITY #0204-0000-17-266-L05-P/0204-0000-17-266-L05-T
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Natasha Nicol, Pharm.D., FASHP, Director of Global Patient Safety Affairs, Cardinal Health, Pawleys Island, S.C.

Learning Objectives:

- Identify measures that should be tracked to identify safety issues associated with medication use.
- Describe the limitations of using strictly medication error reports to determine the level of risk in your organization.
- Evaluate outcome, process, and structure measures that should be used to determine safety risk.
- Given a scenario, determine how to apply the data from the measures in order to improve safety.

Presenters:

Matthew Grissinger, B.S.Pharm., FASCO, FISMP, Director, Error Reporting Programs, Institute for Safe Medication Practices, Horsham, Pa.
Natasha Nicol, Pharm.D., FASHP

4:15 p.m. - 4:45 p.m.

W204 C, Level 2

■ (Management Case Study) Synergy Through Shared Pharmacy Department Leadership in the Community Hospital Setting

ACTIVITY #0204-0000-17-367-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Sondra Davis, Pharm.D., BCPS, Clinical Operations Specialist, Medical City Arlington, Arlington, Texas

Learning Objectives:

- Discuss the challenges of a shared pharmacy leadership model when a new hospital is integrating into a system.
- List measures of success in the on-boarding of a new hospital into a larger health system.
- Explain the importance of site autonomy and the community hospital's cultural identity in a successful system integration.

Presenters:

Derek A. Frost, Pharm.D., BCPS, Pharmacy Operations Coordinator, University Hospitals Geauga Medical Center, Chardon, Ohio

Rachael M. Lerman, Pharm.D., BCPS, Pharmacy Manager, University Hospitals of Cleveland, Cleveland, Ohio

Scott A. Naples, Pharm.D., M.B.A., Pharmacy Coordinator, University Hospitals, Ravenna, Ohio

4:15 p.m. - 5:15 p.m.

W314 A, Level 3

■ Train Your Pharmacy Technicians: Watch Them Climb the Ladder of Success

ACTIVITY #0204-0000-17-258-L04-P/0204-0000-17-258-L04-T
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Lorraine A. Lee, B.S.Pharm., M.H.A., Vice President and Chief Pharmacy Officer, Yale New Haven Health, New Haven, Conn.

Learning Objectives:

- Discuss the elements of creating and implementing a proforma that has a positive return on investment for a pharmacy technician training program.
- Recommend strategies to achieve sustainable tuition reimbursement for students within a pharmacy technician training program.
- Apply methodologies that utilize the format of a technician training program to promote the practice advancement Initiative (PAI) within your hospital.

Presenters:

Janet M. Kozakiewicz, Pharm.D., M.S., FASHP, Director of Pharmacy Services, Yale New Haven Hospital, New Haven, Conn.

Brad Ludwig, R.Ph., M.S., Director, Integrated Pharmacy Services, UW Health, Madison, Wis.

See page 133 for presenter disclosures.

4:15 p.m. - 5:15 p.m.

W208 A, Level 2

■ Implementing Pharmacy-Driven Sustainable Global Health Initiatives in Developing Countries

ACTIVITY #0204-0000-17-259-L04-P
1.25 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Identify the principles and methods necessary for successful implementation of a sustainable global health program in a developing country.
- Summarize the unique opportunities and challenging barriers typically encountered while practicing in developing countries.
- Discuss culturally appropriate student and resident rotations in a developing country.
- Describe best practices for a sustainable global health partnership.

Presenter:

Michelle Holm, Pharm.D., R.Ph., BCPS, Medical Director of Global Health Education/Clinical Pharmacist, Mayo Clinic, Rochester, Minn.

4:15 p.m. - 5:15 p.m.

W308 B, Level 3

■ FDA Update 2017: Public Health and Regulatory Initiatives Impacting Today's Practice

ACTIVITY #0204-0000-17-260-L03-P/0204-0000-17-260-L03-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Lindsay Wagner, Pharm.D., Team Leader, U.S. Food and Drug Administration, Silver Spring, Md.

Learning Objectives:

- Describe FDA's Division of Drug Information and its role.
- Identify key 2017 FDA initiatives and its goals.
- Describe the potential impact of key 2017 FDA initiatives on pharmacists and the practice.

Presenters:

Adesola Adejuwon, Pharm.D., M.B.A., Pharmacist, U.S. Food and Drug Administration, Silver Spring, Md.

Lindsay Wagner, Pharm.D.

4:15 p.m. - 5:15 p.m.

W414 B, Level 4

■ Michael's Story of Kicking the 'H' Out of Heroin: Collaborating to Maintain His Sobriety

ACTIVITY #0204-0000-17-262-L04-P
1.25 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Tim R. Brown, Pharm.D., BCACP, Director of Clinical Pharmacotherapy in Family Medicine, Cleveland Clinic Akron General, Akron, Ohio

Learning Objectives:

- Develop a working knowledge of management modalities in caring for a former heroin abuser post detoxification.
- Evaluate the barriers in creating this type of practice model.

continues >

- Identify key providers in the creation of this type of practice model and their roles in care of the patient.
- Apply this information to current practice models to assess if this type of expansion is feasible.

Presenters:

Tim R. Brown, Pharm.D., BCACP

Deborah S. Plate, D.O., Clinical Associate Director, Cleveland Clinic Akron General Medical Center, Akron, Ohio

4:15 p.m. - 5:15 p.m. Valencia W415 D, Level 4

■ **Multimodal Analgesia from ERAS to the Critically Ill: Strategies for the Clinical Pharmacist**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-265-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: James F. Gilmore, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist, Brigham and Women's Hospital, Boston, Mass.

Learning Objectives:

- Describe the consequences of inadequate pain control in the inpatient setting.
- Apply concepts in the selection of analgesic regimens and multimodal approaches in various inpatient settings.
- Recommend strategies to overcome key barriers to multimodal analgesia pharmacotherapy in the inpatient setting.

Presenters:

James F. Gilmore, Pharm.D., BCCCP, BCPS

Deborah Wagner, Pharm.D., FASHP, Clinical Professor Anesthesiology/Pharmacy, Michigan Medicine, Ann Arbor, Mich.

4:30 p.m. - 5:00 p.m. W312 A, Level 3

■ **Student Drug Screening: Issues Faced by Pharmacy Schools and Practices in Today's Environment**

ACTIVITY # 0204-0000-17-378-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: David F. Gregory, Pharm.D., BCPS, FACHE, Associate Dean for Academic Affairs, University of Mississippi School of Pharmacy, Oxford, Miss.

Learning Objectives:

- Identify best practices of screening programs and determine how these can be incorporated into your respective college (or school) of pharmacy or practice site.
- Determine the role of critical partnerships in the drug screening process.
- Evaluate drug screening cases and develop strategies to address potential issues and reasonable solutions.

Presenter:

Diane B. Ginsburg, M.S., Ph.D., Clinical Professor and Assistant Dean for Student Affairs, University of Texas at Austin, Austin, Texas

Wednesday

DECEMBER 6

8:00 a.m. - 8:30 a.m. W204 C, Level 2

■ **(Management Case Study) Implementation and Evaluation of a Sterile Compounding Robot in a Cancer Center Pharmacy**

ACTIVITY #0204-0000-17-368-L04-P/0204-0000-17-368-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: David Aguero, Pharm.D., DPLA, Manager, Medication Systems and Informatics, St. Jude Children's Research Hospital, Memphis, Tenn.

Learning Objectives:

- Explain the fundamental safety features of automated robotic compounding technology in chemotherapy compounding.
- Identify potential benefits of utilizing robotic compounding technology in chemotherapy compounding.
- Describe important features related to the implementation of IV automation into pharmacy workflow.

Presenters:

Sunny B. Bhakta, Pharm.D., M.S. Candidate, Pharmacy Administration Resident, Houston Methodist Hospital, Houston, Texas

Anthony Carmine Colavecchia, Pharm.D., M.S., BCPS, Pharmacy Administrative Specialist, Houston Methodist Hospital, Houston, Texas

8:00 a.m. - 9:30 a.m. W207 A, Level 2

■ **Parenteral Nutrition: New Clinical Guidance for Patient Selection and Management**

Planned in cooperation with the American Society for Parenteral and Enteral Nutrition

ACTIVITY #0204-0000-17-267-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Angela L. Bingham, Pharm.D., BCCCP, BCNSP, BCPS, Associate Professor of Clinical Pharmacy, Philadelphia College of Pharmacy – University of the Sciences, Philadelphia, Pa.

Learning Objectives:

- Describe the challenges for identifying evidence-based indications for parenteral nutrition therapy.
- Given a patient scenario, apply clinical factors that should be considered when assessing appropriateness for parenteral nutrition.
- Given a patient scenario, apply practical strategies for the appropriate use of parenteral nutrition.
- Given a patient scenario, develop a parenteral nutrition monitoring plan to assess progress toward therapeutic goals, the need to adjust the prescription, and when to wean or discontinue therapy.

Presenters:

Angela L. Bingham, Pharm.D., BCCCP, BCNSP, BCPS
Lingtak-Neander Chan, Pharm.D., BCNSP, CNSC, FACN, Professor of Pharmacy and Nutritional Sciences, University of Washington, Seattle, Wash.
Patricia Worthington, M.S.N., RN, CNSC, Nutrition Support Clinical Nurse Specialist, Thomas Jefferson University Hospital, Philadelphia, Pa.

8:00 a.m. - 9:30 a.m.

W312 A, Level 3

■ **Results from the 2017 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals**

ACTIVITY #0204-0000-17-269-L04-P/0204-0000-17-269-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Douglas Scheckelhoff, M.S., FASHP, Senior Vice President, ASHP, Bethesda, Md.

Learning Objectives:

- Describe how the ASHP National Survey results can be used to effect change in your organization.
- List the most significant practice trends identified in the 2017 ASHP National Survey.
- Describe the practice trends that deviate from established best practices.

Presenters:

Craig A. Pedersen, R.Ph., Ph.D., FAPhA, Pharmacy Manager, Virginia Mason Medical Center, Seattle, Wash.
Philip J. Schneider, M.S., Professor and Associate Dean, University of Arizona College of Pharmacy, Phoenix, Ariz.
Douglas Scheckelhoff, M.S., FASHP

8:00 a.m. - 9:30 a.m.

W314 A, Level 3

■ **Ready or Not, Here It Comes: Updates for Management of Hepatitis C Virus across Practice Settings**

ACTIVITY #0204-0000-17-273-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Linda M. Spooner, Pharm.D., BCPS-AQ ID, FASHP, FCCP, Professor of Pharmacy Practice, MCPHS University, Worcester, Mass.

Learning Objectives:

- Given a patient case, analyze emerging data on currently approved and anticipated hepatitis C virus (HCV) therapies.
- Discuss the challenges faced with HCV treatment across practice settings, including management of drug interactions, avoidance of treatment interruptions, and challenges encountered with specialty pharmacy medication coverage.
- Select resources for screening and management of HCV, medication selection, drug-drug interactions, pipeline agents, and continuing education.

Presenters:

Paulina Deming, Pharm.D., Associate Professor, University of New Mexico, Albuquerque, N.M.

Michelle T. Martin, Pharm.D., BCACP, BCPS, Clinical Pharmacist/Assistant Professor, University of Illinois Hospital and Health Sciences System/University of Illinois at Chicago College of Pharmacy, Chicago, Ill.

Linda M. Spooner, Pharm.D., BCPS-AQ ID, FASHP, FCCP

8:00 a.m. - 9:30 a.m.

W304 B, Level 3

■ **'The Christmas Story': A Successful Failure**

Planned in cooperation with the Section Advisory Group on Preceptor Skills Development

ACTIVITY #0204-0000-17-274-L04-P/0204-0000-17-274-L04-T
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Melinda (Mindy) J.

Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor, Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, Arizona, Ariz.

Learning Objectives:

- Describe who fails, where it occurs, and why it happens.
- Summarize productive ways to turn failures into successful failures.
- Apply the productive use of successful failures in pharmacy practice to facilitate growth in both learners and preceptors.
- Define what a "successful failure" is.

Presenters:

Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA

Janet H. Cooley, Pharm.D., BCACP, Director of Experiential Education, Associate Director of Interprofessional Education, University of Arizona College of Pharmacy, Tucson, Ariz.

Suzanne Larson, Pharm.D., Director of Experiential Education, Midwestern University College of Pharmacy – Glendale, Glendale, Ariz.

75th STREET

REGISTRATION B, LEVEL 1

Come join ASHP's 75th anniversary celebration at 75th Street, located on Level 1 of the convention center, adjacent to the main entrance.

Games, activities, and photo opportunities galore. It's educational, informational, and, best of all, fun!



8:00 a.m. - 9:30 a.m.

W304 F, Level 3

Managing Pain in Opioid Use Disorder: Playing with Matches or Preventing a Forest Fire?

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-275-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Lee Kral, Pharm.D., BCPS, CPE, Clinical Pharmacy Specialist, Pain Management, The University of Iowa Hospitals & Clinics, Iowa City, Iowa

Learning Objectives:

- Analyze patient-specific information to determine the appropriateness of opioid therapy for the management of chronic pain.
- Analyze patient-specific information to determine the presence of an opioid use disorder (OUD) and develop an appropriate management plan.
- Design a pharmacotherapeutic plan for the management of chronic pain in patients with OUD.
- Design a pharmacotherapeutic plan for the management of acute on chronic pain in patients with OUD.

Presenters:

Molly E. Howard, Pharm.D., BCACP, BCPS, Clinical Pharmacy Specialist, Central Alabama Veterans Health Care System, Montgomery, Ala.

Michele L. Matthews, Pharm.D., BCACP, CPE, FASHP, Associate Professor of Pharmacy Practice, MCPHS University and Advanced Practice Pharmacist – Pain Management, Brigham and Women’s Hospital, Boston, Mass.

Jessica L. Moreno, Pharm.D., B.S.E., BCPP, Assistant Clinical Professor, Northeastern University, Boston, Mass.

8:00 a.m. - 9:30 a.m.

W311 B, Level 3

Emergency Medicine Pearls 2017

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-277-L01-P
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Robert S. Pugliese, Pharm.D., BCPS, Clinical Specialist, Emergency Medicine, Thomas Jefferson University Hospital, Philadelphia, Pa.

Learning Objectives:

- Discuss clinical practice in the emergency department.
- Explain applications of clinical pharmacotherapy in the emergency department.
- Discuss how to apply clinical pharmacotherapy to unique circumstances and clinical presentations.

Presentations:

- **Procainamide Use in the Emergency Department**
Mike Thieffault, Pharm.D., PGY2 ED Pharmacy Resident, Mercy Medical Center, Des Moines, Iowa
- **CroFab in Copperhead Envenomation**
Shane Salimnejad, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Duke University Hospital, Durham, N.C.
- **Fixed Dose KCentra**
Michelle Maguire, Pharm.D., PGY2 Emergency Medicine Resident, Massachusetts General Hospital, Boston, Mass.
- **TPA for Frostbite**
Brittini C. Gross, Pharm.D., PGY2 Emergency Medicine Resident, The Johns Hopkins Hospital, Baltimore, Md.
- **Phenobarbital in EtOH Withdrawal**
Maryam Zaeem, Pharm.D., Clinical Pharmacy Specialist, Emergency Medicine, University Hospital, Newark, N.J.
- **Tranexamic Acid in Subarachnoid Hemorrhage**
Blake Porter, Pharm.D., Emergency Medicine Pharmacist Clinician, University of Vermont Medical Center, Burlington, Vt.
- **Hypertonic Saline for Tricyclic Antidepressant Overdose**
Kim Friend, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Rutgers/Robert Wood Johnson University Hospital, New Brunswick, N.J.
- **Icatibant for ACE Inhibitor Induced Angioedema**
Jessica Corio, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Boston Medical Center, Boston, Mass.
- **Putting Them Out When They Are a Little Stout: Etomidate Dosing for RSI in Obese Patients**
David E. Zimmerman, Pharm.D., BCPS, Assistant Professor of Pharmacy, Duquesne University School of Pharmacy, Pittsburgh, Pa.
- **Use of Sodium Acetate in Toxicologic Emergencies During the Sodium Bicarbonate Shortage**
Nicholas Scaturro, Pharm.D., PGY2 Emergency Medicine Resident, Tampa General Hospital, Tampa, Fla.
- **Esmolol in Refractory Ventricular Fibrillation**
Emily Kilber, Pharm.D., BCPS, Emergency Medicine Clinical Pharmacist, Maricopa Integrated Health System, Phoenix, Ariz.
- **Vitamin C for Methemoglobinemia**
Shannon Sullivan, Pharm.D., PGY2 Emergency Pharmacy Resident, Banner-University Medical Center, Tucson, Ariz.
- **When the Beat Drops: Practical Tips for Codes**
Aimee Mishler, Pharm.D., BCPS, Emergency Medicine Clinical Pharmacist, Maricopa Integrated Health System, Phoenix, Ariz.
- **Ketamine for Analgesia**
Emily Wiener, Pharm.D., Clinical Pharmacist – Emergency Medicine, University of Maryland Baltimore Washington Medical Center, Glen Burnie, Md.

8:00 a.m. - 9:30 a.m.

Valencia W415 A, Level 4

Hot Topics in Cardiology

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

ACTIVITY #0204-0000-17-278-L01-P

1.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Sarah Bush, Pharm.D., BCPS, Pharmacy Manager, Trident Medical Center, Charleston, S.C.

Learning Objectives:

- Discuss clinical scenarios pertaining to cardiac disease states that might not be widely known or published.
- Identify novel clinical practice options for patient care in patients with cardiac diseases.
- Describe medication management strategies in difficult or controversial cardiac patient care scenarios.

Presenters:

Christopher Betz, Pharm.D., BCPS, FASHP, FKSHP, Professor, Sullivan University College of Pharmacy, Louisville, Ky.

Christina Doligalski, Pharm.D., BCPS, Solid Organ Transplant Pharmacotherapy Specialist, Tampa General Hospital, Tampa, Fla.

Benjamin Hohlfelder, Pharm.D., BCPS, Critical Care Pharmacy Clinical Specialist, Cleveland Clinic, Cleveland, Ohio

Denise Kelley, Pharm.D., BCPS, Internal Medicine Pharmacy Specialist, UF Health Jacksonville Medical Center, Jacksonville, Fla.

Audrey Kennedy, Pharm.D., BCPS, Clinical Safety Officer, Children's Mercy Kansas City, Kansas City, Mo.

Jamielynn Sebaaly, Pharm.D., BCPS, Assistant Professor of Pharmacy, Wingate University School of Pharmacy, Wingate, N.C.

Katelyn W. Sylvester, Pharm.D., BCPS, CACP, Pharmacy Manager, Brigham and Women's Hospital, Boston, Mass.

8:00 a.m. - 9:45 a.m.

W208 A, Level 2

Evidence-Based Updates: Current Topics in Pediatrics

Planned in cooperation with the Pediatric Pharmacy Advocacy Group

ACTIVITY #0204-0000-17-268-L01-P

1.75 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Elizabeth Farrington, Pharm.D., BCPS, FCCM, FCCP, FPPAG, Pharmacists III – Pediatrics, New Hanover Regional Medical Center, Betty H. Cameron Women's and Children's Hospital, Wilmington, N.C.

Learning Objectives:

- Given a patient case scenario, create a pharmacotherapy plan for treating pediatric delirium.
- Given a patient case, decide if the patent ductus arteriosus (PDA) should be closed and if so, pick the optimal treatment for closure.

See page 133 for presenter disclosures.

- Given cost and efficacy data, develop a protocol for the closure of PDA in your NICU.
- Contrast myths and evidence of using various cannabinoids in pediatric patients.
- Given a patient case, design a treatment and monitoring plan for a patient for which a cannabinoid product may be clinically useful.

Presenters:

Collin Hovinga, Pharm.D., M.S., FCCP, Director of Research and Clinical Associate Professor, Ascension Texas Hospitals, Austin, Texas

Shannon R. Mayes, Pharm.D., BCPS, Clinical Pharmacy Manager, Norton Children's Hospital, Louisville, Ky.

Eloise D. Woodruff, Pharm.D., B.S.Pharm., Clinical Pharmacy Specialist-Neonatal Intensive Care Unit, Children's Hospital of The King's Daughters, Norfolk, Va.

8:00 a.m. - 9:45 a.m.

W315 A, Level 3

Transitions of Care Studies: Practical Lessons to Improve Inpatient and Outpatient Communications and Reduce Hospital Re-admission Rates

ACTIVITY #0204-0000-17-270-L04-P

1.75 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Sara E. Roszak, M.A., M.P.H., Senior Director, Research Programs, NACDS Foundation, Arlington, Va.

Learning Objectives:

- Discuss methods for improved care team collaboration, specifically inpatient pharmacists to connect with community pharmacists.
- Explain innovative and pragmatic methods that can lead to better communication across transitions from inpatient to outpatient settings and can improve patient care.
- Describe the impact improved communications and enhanced transitions of care processes on patient health outcomes.

Presenters:

Lauren Bloodworth, Pharm.D., BCPS, Clinical Associate Professor, University of Mississippi School of Pharmacy, University, Miss.

Pamela Heaton, B.S.Pharm., Ph.D., M.S., Professor, University of Cincinnati, Cincinnati, Ohio

Eric A. Wright, Pharm.D., M.P.H., Professor and Co-Director, Geisinger Health System, Forty Fort, Pa.

8:00 a.m. - 9:45 a.m. W307 B, Level 3

Leveraging Technology and Informatics for Antimicrobial Stewardship

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-271-L04-P/0204-0000-17-271-L04-T
1.75 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Edina Avdic, Pharm.D., M.B.A., BCPS-AQ ID, Associate Director, Antimicrobial Stewardship Program, The Johns Hopkins Hospital, Baltimore, Md.

Learning Objectives:

- List antimicrobial stewardship tools available in electronic health record (EHR) platforms.
- Describe how the EHR and clinical decision support systems (CDSS) can be used together as a successful antimicrobial stewardship tool.
- Review commonly used CDSS and their role in enhancing antimicrobial stewardship.

Presenters:

Whitney R. Buckel, Pharm.D., BCPS-AQ ID, Infectious Diseases/Antimicrobial Stewardship Advanced Clinical Pharmacist, Intermountain Medical Center, Murray, Utah
Kristi Kuper, Pharm.D., BCPS, Senior Clinical Manager, Infectious Diseases, Vizient, Katy, Texas

8:00 a.m. - 9:45 a.m. W209 A, Level 2

Identifying Bacteria, Viruses, and Fungi by Their Genes: Infectious Diseases Diagnostic Testing

Planned in cooperation with the Society of Infectious Diseases Pharmacists

ACTIVITY #0204-0000-17-272-L01-P
1.75 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Edward E. Grace, Pharm.D., AAHIVP, BCPS-AQ ID, Vice-Chair and Associate Professor of Clinical and Administrative Sciences, Notre Dame of Maryland University, Baltimore, Md.

Learning Objectives:

- Describe the mechanisms used in gene based infectious diseases diagnostic testing to identify various bacteria, viruses, and fungi.
- Compare and contrast the various genetic testing methods used in gene based infectious diseases diagnostic testing.
- Evaluate the role of positive and negative test results from gene based infectious diseases diagnostic testing in identifying multi-drug resistant organisms.
- Demonstrate the significance of gene based infectious diseases diagnostic testing on patient care and its role as part of an antimicrobial stewardship program.
- Discuss the significance of gene based infectious diseases diagnostic testing as a new technological advance which can improve patient care in an institution.

Presenters:

Christopher Farrell, Ph.D., Associate Professor, Presbyterian College, Clinton, S.C.
Edward E. Grace, Pharm.D., AAHIVP, BCPS-AQ ID

8:00 a.m. - 9:45 a.m. W414 B, Level 4

The 2018 Joint Commission Medication Management Update

ACTIVITY #0204-0000-17-276-L03-P/0204-0000-17-276-L03-T
1.75 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Identify four medication management standards that are found to be most compliant and describe strategies to address each one.
- Describe key features of the standards revisions pertaining to pain.
- List two new requirements for 2018 in medication-related standards.

Presenter:

Jeannell Mansur, Pharm.D., B.S.Pharm., CJCP, FASHP, Principal Consultant, Joint Commission Resources, Oak Brook, Ill.

8:45 a.m. - 9:15 a.m. W204 C, Level 2

(Management Case Study) Evaluating the Impact of a Hazardous Drug Compounding Robot on Accuracy, Efficiency, and Capacity

ACTIVITY #0204-0000-17-369-L04-P/0204-0000-17-369-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Ashley Duty, Pharm.D., M.S., Pharmacy Manager, Children’s Mercy Hospital, Kansas City, Mo.

Learning Objectives:

- Compare the benefits and limitations of dose measurement using volumetric analysis versus gravimetric analysis.
- Describe the potential impact of robotic compounding on preparation efficiency and capacity.
- Describe strategies for maximizing efficiency of robotic compounding.

Presenter: Daniel Schenkat, Pharm.D., M.S., Clinical Manager, Central Inpatient Pharmacy, UNC Health Care, Chapel Hill, N.C.

Aaron Webb, Pharm.D., M.S., Pharmacy Manager, UWHealth, Madison, Wis.

Spotlight on Science

10:00 a.m. - 11:00 a.m.

Chapin Theater W320, Level 3

■ It's All in the Genes: The Science Behind Customizing Patient Care

ACTIVITY #0204-0000-17-350-L04-P

0.75 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Pharmacogenomics is the study of how variability in the genome modifies how individuals respond to drug treatments. Research in this area continues to expand and we keep learning more about how our responses to medications can be understood and even predicted based on our genome. The implementation of pharmacogenomics in clinical care is leading the way as one of the main areas of precision medicine. This presentation will describe the current state-of-the-art in this exciting and emerging field.

Learning Objectives:

- Describe the relationship between the human genome and individual drug treatment responses (pharmacogenomics).
- Identify which gene-drug pairs have been accepted for clinical implementation by experts in the scientific community.
- Review the challenges with clinical implementation of pharmacogenomics.

Featured Presenter: **Marylyn D. Ritchie, Ph.D., M.S., B.S.**, Director, Biomedical and Translational Informatics Institute, Geisinger Health, Danville, Pa.

For more information, see page 32.



8:45 a.m. - 9:45 a.m.

W308 B, Level 3

■ Novel Approaches in the Management of Severe Alcohol Withdrawal

ACTIVITY #0204-0000-17-221-L01-P

1.00 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: **Jeremy DeGrado, Pharm.D., BCCCP, BCPS**, Clinical Pharmacy Specialist, Critical Care, Brigham and Women's Hospital, Boston, Mass.

Learning Objectives:

- Given a patient case, develop a patient-specific medication regimen for alcohol withdrawal management.
- Discuss concepts and recent literature related to use of adjunctive agents.
- Compare and contrast the role of barbiturates with benzodiazepines in alcohol withdrawal management.

Presenters:

John Marshall, Pharm.D., BCCCP, BCPS, FCCM, Clinical Pharmacy Coordinator – Critical Care, Beth Israel Deaconess Medical Center, Boston, Mass.

Scott W. Mueller, Pharm.D., BCCCP, Assistant Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

2:00 p.m. - 2:30 p.m.

W204 C, Level 2

■ (Management Case Study) Simulation Training to Improve Patient Engagement

ACTIVITY #0204-0000-17-370-L04-P/0204-0000-17-370-L04-T

0.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: **Anthony Scott, Pharm.D.**, Assistant Director of Pharmacy Operations, The University of Chicago Medicine, Chicago, Ill.

Learning Objectives:

- List the four vital behaviors crucial in improving the patient experience.
- Describe the simulation-based training methodology to provide pharmacists and technicians to an opportunity to learn and practice the vital behaviors in a safe and effective manner.
- Explain how a simulation-based training methodology improved our staff's engagement in the initiative to improve the patient experience.

Presenter: **Lydia E. Noh, Pharm.D., BCPS**, Manager, Cedars-Sinai Medical Center, Los Angeles, Calif.

2:00 p.m. - 2:30 p.m.

W208 A, Level 2

■ **(Management Case Study) Establishing an Effective Multidisciplinary Drug Diversion Reduction Committee at an Academic Medical Center**

ACTIVITY #0204-0000-17-371-L04-P/0204-0000-17-371-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Tolulope Akinbo, Pharm.D., M.P.H., BCPS, Pharmacy Manager, Inova Mount Vernon Hospital, Alexandria, Va.

Learning Objectives:

- Describe the implications of controlled substance diversion to health-systems and the delivery of patient care.
- Discuss the multidisciplinary approach of managing controlled substances to enhance the detection and minimize the occurrence of controlled substance diversion.
- Discuss how effective performance metrics can guide improvement efforts to ensure regulatory compliance with the management of controlled substances.

Presenter: Philip Kociemba, Pharm.D., BCPS, Manager, Inpatient Pharmacy Services, University of Louisville Hospital, Louisville, Ky.

2:00 p.m. - 3:30 p.m.

W207 A, Level 2

■ **Current Trends for Leveraging Shared Services Across the Health System**

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-281-L04-P
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Bonnie Levin, Pharm.D., M.B.A., FASHP, Assistant Vice President, Pharmacy Services, MedStar Health, Columbia, Md.

Learning Objectives:

- Explain steps to develop a strategic and business plan for centralized services.
- Summarize the implementation planning process, including regulatory, 340B compliance, technology, and operational challenges.
- Given a scenario, define service optimization, process, and outcome metrics to assess effectiveness.
- Discuss the current state of centralized services across the U.S.

Presenters:

Nannette M. Berensen, Pharm.D., M.B.A., Vice President of Clinical Systems, Intermountain Healthcare, Murray, Utah
Rita K. Jew, Pharm.D., M.B.A., FASHP, Director of Pharmacy, UCSF Health, San Francisco, Calif.
Bonnie Levin, Pharm.D., M.B.A., FASHP

2:00 p.m. - 3:30 p.m.

W315 A, Level 3

■ **Managing Prediabetes: Beyond the Basics**

ACTIVITY #0204-0000-17-284-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Samantha Karr, Pharm.D., B.S., BC-ADM, BCACP, BCPS, FCCP, Associate Professor, Midwestern University, Glendale, Ariz.

Learning Objectives:

- Design an evidence-based pharmacotherapeutic plan for prediabetes, including monitoring for efficacy and adverse effects.
- Evaluate functional medicine approaches to address the underlying causes of metabolic disease.
- Recommend nutritional supplements and non-pharmacologic therapies that could be used in the treatment of prediabetes and as an aid to prevent diabetes.
- Evaluate individualized patient factors that influence treatment decisions.

Presenters:

Melody Hartzler, Pharm.D., AE-C, BC-ADM, BCACP, Clinical Pharmacist and Chronic Care Management Coordinator, Western Medicine, Inc., Fairborn, Ohio
Kristi Kelley, Pharm.D., BC-ADM, BCPS, CDE, Associate Clinical Professor, Pharmacy Practice, Auburn University Harrison School of Pharmacy, Birmingham, Ala.

2:00 p.m. - 3:30 p.m.

W308 B, Level 3

■ **Harmonizing Hypercholesterolemia Treatment: Focus on LDL Goal Assessment**

ACTIVITY #0204-0000-17-285-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Joseph Saseen, Pharm.D., ASH-CHC, BCACP, BCPS, CLS, Professor and Vice Chair, University of Colorado, Aurora, Colo.

Learning Objectives:

- Explain guideline and consensus recommendations for treatment of hypercholesterolemia following a fixed-intensity statin approach and LDL-C goal directed approach.
- Evaluate the evidence and justification for use of a fixed-intensity statin approach and LDL-C goal directed approach to managing hypercholesterolemia.
- Design patient-centered lipid-lowering treatment plans in complex patients with hypercholesterolemia.

Presenters:

Joel Marrs, Pharm.D., ASH-CHC, BCACP, BCPS-AQ Cardiology, CLS, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.
Joseph Saseen, Pharm.D., ASH-CHC, BCACP, BCPS, CLS

2:00 p.m. - 3:30 p.m.

W209 A, Level 2

■ Developing Preceptor Skills in Management of Difficult Situations: A Case-Based Approach

ACTIVITY #0204-0000-17-286-L04-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Carol J. Rollins, Pharm.D., B.S.Pharm., M.S., RD, BCNSP, FASHP, FASPEN, Clinical Professor, University of Arizona College of Pharmacy, Tucson, Ariz.

Learning Objectives:

- Discuss barriers to effective communication with a trainee who seems to be struggling to meet expectations in a given scenario.
- Evaluate how ancillary events may be impacting a student's or resident's performance in a given scenario to minimize attrition.
- Prepare a plan to improve a resident's collaboration with students on the same rotation.

Presenters:

Brian Erstad, Pharm.D., BCPS, FASHP, FCCP, MCCM, Professor and Head, University of Arizona, Tucson, Ariz.
Carol J. Rollins, Pharm.D., B.S.Pharm., M.S., RD, BCNSP, FASHP, FASPEN

2:00 p.m. - 3:30 p.m.

W304 B, Level 3

■ Is It All in My Head? How Brain Changes Affect Chronic Pain and Addiction

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-288-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Maria Foy, Pharm.D., B.S.Pharm., BCPS, CPE, Patient Care Coordinator, Palliative Care, Abington Hospital Jefferson Health, Abington, Pa.

Learning Objectives:

- Compare and contrast sensitized pain states and substance use disorder development.
- Demonstrate strategies used for opioid de-escalation.
- Choose alternative pharmacologic treatment options to use during opioid de-escalation.
- Describe an educational program designed to explain chronic pain to patients.

Presenters:

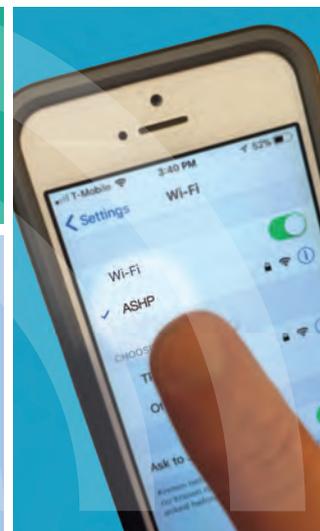
Maria Foy, Pharm.D., B.S.Pharm., BCPS, CPE
Molly E. Howard, Pharm.D., BCACP, BCPS, Clinical Pharmacy Specialist, Central Alabama Veterans Health Care System, Montgomery, Ala.
Tanya J. Uritsky, Pharm.D., BCPS, Clinical Pharmacy Specialist Pain and Palliative Care, Hospital of the University of Pennsylvania, Philadelphia, Pa.

See page 133 for presenter disclosures.

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2:00 p.m. - 3:30 p.m.

W311 B, Level 3

■ Informatics Pearls 2017: Bytes of Informatics

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-289-L04-P/0204-0000-17-289-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Karl F. Gumpper, B.S.Pharm., M.S.M.I., BCPS, CPHIMS, FASHP, Pharmacy Informatics Manager, Boston Children's Hospital, Boston, Mass.

Facilitator: Joseph Lassiter, Pharm.D., M.S., BCPS, President, The Robertson Group, Portland, Ore.

Learning Objectives:

- Identify how pharmacy informatics programs can be used in your organization to improve patient care.
- Describe one way an organization has made better use of its clinical information system and how it may be implemented in your organization.
- Compare various pharmacy informatics initiatives and how they improve the medication-use system.

Presentations:

- **Trimming the Fat in Automation**
Rita K. Jew, Pharm.D., M.B.A., FASHP, Director of Pharmacy, UCSF Health, San Francisco, Calif.
- **Clinical Decision Support to Support Clinicians During Opioid Prescribing**
Jeffrey Chalmers, Pharm.D., Director, Pharmacy Informatics and Technology, Cleveland Clinic Health System, Cleveland, Ohio
- **The Human Barrier in Implementing Clinical Decision Support: Stay a-FLOAT**
Casey Olsen, Pharm.D., PGY2 Pharmacy Informatics Resident, Aurora Health Care, Milwaukee, Wis.
- **Medication Adherence Blues – Using “SMURF” to Assess and Resolve**
Kerry A. Goldrosen, Pharm.D., Clinical Informatics Pharmacist, UW Health, Madison, Wis.

continues >

- **Describe a Set of Enhancements to Push Information to Ordering Providers and Pharmacist**
Hardik Patel, Pharm.D., PGY2 Pharmacy Informatics Resident, NorthShore University HealthSystem, Evanston, Ill.
- **Please SIRS, Should I Use My CDS Alerts More?**
Sarah Seward, Pharm.D., PGY2 Pharmacy Informatics Resident, Hospital Sisters Health System, Belleville, Ill.
- **Life in the Fast Lane:**
Leveraging an EHR Dashboard to Keep Up!
Amber R. Slevin, Pharm.D., BCACP, Clinical Pharmacist, Gastroenterology and Hepatology, Froedtert and The Medical College of Wisconsin, Milwaukee, Wis.
- **Patient Empowerment Fact or Fiction: Medication Reconciliation by the Patient**
Pieter J. Helmons, Pharm.D., Ph.D., MAS, Hospital Pharmacist, St. Jansdal Hospital, Harderwijk, Gelderland, Netherlands
- **Pharmacy Informatics Training Using MOODLE Learning Platform**
Thomas Fagan, B.S.Pharm., M.B.A., Clinical Pharmacist Specialist for Pharmacy Informatics, U.S. Department of Veterans Affairs, Richmond, Va.
- **Automation – How to Stay Single**
Jason L. Trahan, Pharm.D., Pharmacy Director – Medication Safety, Baylor Scott & White Health, Dallas, Texas
- **Data Analytics to Support Clinical Decision Support**
Robert Silverman, Pharm.D., B.S.Pharm., Assistant Chief Consultant, PBM Clinical Informatics, U.S. Department of Veterans Affairs, Hines, Ill.
- **Balancing the Pros of Agile Development Against the Realities of Limited Developer Resources and Time**
William S. Cooper, Pharm.D., Manager, Medication Management & Clinical Pharmacy Informatics, Hospital Corporation of America (HCA), Nashville, Tenn.
- **Utilizing the Electronic Health Record to Optimize Specialty Pharmacy Services**
Jeffrey S. Reichard, Pharm.D., M.S., BCPS, Director of Pharmacy, Novant Health Infusion, Oncology, and Specialty Pharmacy Service Lines, Novant Health Kernersville Medical Center, Kernersville, N.C.
- **Use of Predictive Analytics to Prioritize Transitions of Care Workflows**
Marc Willner, Pharm.D., CPHIMS, Pharmacy Informatics Specialist, Cleveland Clinic, Cleveland, Ohio
- **Track It Before You Quack It**
Jennifer M. Hissam, R.Ph., M.H.A., Director of Pharmacy Services, Novant Health, Charlotte, N.C.

2:00 p.m. - 3:30 p.m. Valencia W415 A, Level 4

■ **ISMP Medication Safety Update for 2018**

Planned in cooperation with the Institute for Safe Medication Practices

ACTIVITY #0204-0000-17-290-L05-P/0204-0000-17-290-L05-T
 1.50 CONTACT HOURS | KNOWLEDGE-BASED
 EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair: Darryl S. Rich, Pharm.D., M.B.A., B.S., FASHP, Medication Safety Specialist, Institute for Safe Medication Practices, Horsham, Pa.

Moderator: Michael R. Cohen, R.Ph., Sc.D. (Hon.), DPS (Hon.), M.S., FASHP, President, Institute for Safe Medication Practices, Horsham, Pa.

Learning Objectives:

- List the top five most important medication safety issues reported to ISMP in the past 12 months along with effective strategies to mitigate harm related to each issue.
- Describe the most implemented, and least implemented best practices from the 2016-2017 ISMP Targeted Medication Safety Best Practices in Hospitals along with solutions to overcome common barriers.
- Describe the new 2018-2019 ISMP Targeted Medication Safety Best Practices in Hospitals, along with the medication safety issue they can help prevent.

Presenters:

Christina Michalek, R.Ph., B.S., FASHP, Medication Safety Specialist, Institute for Safe Medication Practices, Horsham, Pa.
Darryl S. Rich, Pharm.D., M.B.A., B.S., FASHP

2:00 p.m. - 3:45 p.m. W314 A, Level 3

■ **USP <797> Alert: React and Remediate When Something Is Growing in Your IV Room**

ACTIVITY #0204-0000-17-279-L07-P/0204-0000-17-279-L07-T
 1.75 CONTACT HOURS | APPLICATION-BASED
 EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Patricia C. Kienle, B.S.Pharm., M.P.A., FASHP, Director, Accreditation and Medication Safety, Cardinal Health, Wilkes Barre, Pa.

Learning Objectives:

- List the areas of non-compliance with environmental monitoring found in national surveys.
- Identify the most common types of contamination found.
- Assess the most likely sources of microbial contamination.
- Develop a priority action plan for correction.

Presenters:

Eric Kastango, B.S.Pharm., M.B.A., FASHP, President, Clinical IQ, LLC, Madison, N.J.
Patricia C. Kienle, B.S.Pharm., M.P.A., FASHP
Abby Roth, B.S., CMQ/OE, Director of Microbiology, Clinical IQ, LLC, Madison, N.J.

2:00 p.m. - 3:45 p.m.

W312 A, Level 3

■ Using Continuing Professional Development as Your Key to Succession Planning

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-282-L04-P

1.75 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: William Kernan, Pharm.D., M.B.A., Director of Pharmacy Services, Cleveland Clinic Florida, Weston, Fla.

Learning Objectives:

- Describe the importance of succession planning to sustained pharmacy practice achievements and patient outcomes.
- Evaluate components of a continuing professional development plan (CPD).
- Design a CPD plan that will lead to a succession plan for your department.

Presenters:

John A. Armitstead, M.S., B.S., FASHP, System Director of Pharmacy, Lee Health, Fort Myers, Fla.

Samuel Calabrese, B.S.Pharm., M.B.A., FASHP, Associate Chief Pharmacy Officer, Cleveland Clinic, Cleveland, Ohio

Rita Shane, Pharm.D., FASHP, FCSHP, Chief Pharmacy Officer, Cedars-Sinai Medical Center, Los Angeles, Calif.

2:45 p.m. - 3:15 p.m.

W204 C, Level 2

■ (Management Case Study) Implementation of a Drug Take Back Program within Outpatient Pharmacies

ACTIVITY #0204-0000-17-372-L04-P/0204-0000-17-372-L04-T

0.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Heather Porter, Pharm.D., PGY1 Pharmacy Resident, VA Sierra Nevada Health Care System, Auburn, Calif.

Learning Objectives:

- Identify options available to establish a take back program.
- List the requirements needed to have a drug take back kiosk.
- Explain the impact providing a take back solution had in our facilities.

Presenter:

Tiffany M. Hendricks, PRS, Program Specialist, Kaiser Permanente Foundation Hospitals, Downey, Calif.

3:30 p.m. - 4:00 p.m.

W204 C, Level 2

■ (Management Case Study) Implementing a Bulk Purchase Strategy to Decrease Drug Costs in a Community Hospital

ACTIVITY #0204-0000-17-373-L04-P/0204-0000-17-373-L04-T

0.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Kellie Evans, Pharm.D., M.S., Pharmacy Manager, OhioHealth, Columbus, Ohio

Learning Objectives:

- Explain the difference between bulk buy and just-in-time drug purchase methodologies.
- Examine drug pricing trends and why a hospital might consider purchasing high cost drugs in bulk.
- List the limitations and risks of a bulk buy purchase strategy.

Presenter:

Stacey Zorska, Pharm.D., M.H.A., Director of Pharmacy Services, Southwest General, Middleburg Heights, Ohio

3:30 p.m. - 5:00 p.m.

W414 B, Level 4

■ By the Numbers: Aligning Quality with Financial Metrics

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists and the ASHP Section of Inpatient Care Practitioners

ACTIVITY #0204-0000-17-287-L04-P/0204-0000-17-287-L04-T

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair: Karen J. McConnell, Pharm.D., ASH-CHC, BCPS-AQ Cardiology, FCCP, Clinical Director and Cardiology Subject Matter Expert, Cardinal Health, Houston, Texas

Moderator: Jeff Little, Pharm.D., M.P.H., BCPS, FACHE, Director of Pharmacy, Saint Luke's Hospital, Kansas City, Mo.

Learning Objectives:

- Discuss the need for and benefits of metrics.
- Given a scenario, evaluate financial clinical initiatives with a safety and efficacy focus.
- Given a scenario, measure financial metrics for drug spending at baseline, during implementation and after clinical initiatives.
- Given a scenario, implement quality initiatives with a cost efficiency focus.
- Given a scenario, measure outcomes using quality metrics.

Presenters:

Karen J. McConnell, Pharm.D., ASH-CHC, BCPS-AQ Cardiology, FCCP

Mary H. Parker, Pharm.D., BCPS-AQ Cardiology, FASHP, FCCP, PACT Clinical Pharmacy Specialist/Clinic Coordinator-Ambulatory Care Service, Durham VA Medical Center, Durham, N.C.

continues >

3:30 p.m. - 5:00 p.m.

W208 A, Level 2

Slim Down and Tighten Up! Inventory Management Across the Pharmacy Enterprise

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

ACTIVITY #0204-0000-17-292-L04-P/0204-0000-17-292-L04-T

1.50 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Heather Jones, Pharm.D., M.S., Pharmacy Manager, Oncology Services, University of Wisconsin Health, Madison, Wis.

Learning Objectives:

- Illustrate how a centralized inventory management tool is used to control inventory across a pharmacy enterprise.
- Demonstrate a novel approach to managing high cost inventory through use of innovative inventory management strategies.
- List strategies for how technology can be used to enhance inventory control within a hybrid decentralized dispensing system.
- Distinguish how technology can be used to enhance efficiency and safety in hybrid decentralized dispensing system.

Presenters:

Jerame Hill, Pharm.D., M.S., Pharmacy Manager, Supply Chain, UW Health, Madison, Wis.

Heather Jones, Pharm.D., M.S.

Joseph Yaklic, R.Ph., M.B.A., Manager, Pharmacy Information Systems and Business Office, Ascension, St. John Hospital & Medical Center, Detroit, Mich.

3:45 p.m. - 5:00 p.m.

W308 B, Level 3

Expanding Horizons: Implementation and Utilization of Pharmacogenomics in Practice

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-283-L04-P

1.25 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Joel Marrs, Pharm.D., ASH-CHC, BCACP, BCPS-AQ Cardiology, CLS, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colo.

Learning Objectives:

- Evaluate the current state of pharmacogenomic testing and services in the United States.
- Distinguish Clinical Pharmacogenetics Implementation Consortium recommended pharmacogenomic targeted approaches with evidence supporting their role in practice.
- Analyze best practices in the development and maintenance of a pharmacogenomic program.
- Discuss future directions and roles for pharmacists in pharmacogenomic programs.

Presenters:

Christina Aquilante, Pharm.D., FCCP, Associate Professor, University of Colorado, Aurora, Colo.

Henry M. Dunnenberger, Pharm.D., BCPS, Director – Pharmacogenomics, NorthShore University HealthSystem, Evanston, Ill.

4:00 p.m. - 4:30 p.m.

W207 A, Level 2

(Management Case Study) Plan-Do-Study-Act (PDSA) Methodology Enhances Documentation for Transplant Pharmacy Services

ACTIVITY #0204-0000-17-375-L04-P

0.50 CONTACT HOURS | KNOWLEDGE-BASED

EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Leah Frantzen, Pharm.D., BCPS, Clinical Pharmacy Manager and PGY1 Pharmacy Residency Program Director, St. Joseph’s Hospital, St. Paul, Minn.

Learning Objectives:

- List the CMS Conditions of Participation requirements for pharmacy involvement in the care of solid organ transplant patients.
- Explain how a PDSA process can be applied when evaluating pharmacy workflow processes.
- Describe an effective communication process for disseminating results and determining next steps.

Presenters:

Christian S. Conley, Pharm.D., M.S., Acute Care Pharmacy Manager, UAB Hospital, Birmingham, Ala.

David A. South, Pharm.D., M.S., BCPS, Supervising Pharmacy, General Medicine and Transplant, UAB Hospital, Birmingham, Ala.

4:00 p.m. - 5:00 p.m.

W314 A, Level 3

Navigating the Regulatory Tides of Compounding

Planned in cooperation with the National Association of Boards of Pharmacy

ACTIVITY #0204-0000-17-291-L07-P/0204-0000-17-291-L07-T

1.00 CONTACT HOURS | APPLICATION-BASED

EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Melissa Madigan, Pharm.D., J.D., Policy and Communications Director, National Association of Boards of Pharmacy, Mount Prospect, Ill.

Learning Objectives:

- Interpret current and proposed USP chapters and U.S. Food and Drug Administration guidances that affect the compounding of sterile preparations.
- Explain the role that the National Association of Boards of Pharmacies has taken in health-system pharmacy topics (ie Verified Pharmacy Program, Verified Accredited Wholesale Distributors, etc).
- Evaluate examples of common findings in health-system pharmacy surveys.

Presenter: Paul N. Limberis, R.Ph., B.S., Pharmacy Manager, University of Colorado Hemophilia Center, Aurora, Colo.

4:00 p.m. - 5:00 p.m.

W307 B, Level 3

Meeting the Challenges of Getting at Your Data: Practical Applications of RxNorm

ACTIVITY #0204-0000-17-294-L04-P/0204-0000-17-294-L04-T
1.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Dennis A. Tribble, Pharm.D., B.S., Director, Healthcare Innovations, Medication Management Systems, BD, Franklin Lakes, N.J.

Learning Objectives:

- Explain why data normalization is important to achieving analytics across multiple systems.
- List three data aggregation tasks for which RxNorm would be suitable.
- List three data aggregation tasks for which RxNorm might not be suitable.
- Describe two sources of RxNorm encoding of formulary data.

Presenters:

Robert R. Freimuth, Ph.D., Assistant Professor, Mayo Clinic, Rochester, Minn.

Alan Greubel, M.B.A., B.S., Senior Product Manager, BD, San Diego, Calif.

Mark Siska, B.S.Pharm., M.B.A., Chief Pharmacy Informatics Officer, Mayo Clinic, Rochester, Minn.

4:00 p.m. - 5:00 p.m.

W315 A, Level 3

Vancomycin: Teaching an Old Dog New Tricks

ACTIVITY #0204-0000-17-295-L01
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Alexander H. Flannery, Pharm.D., BCCCP, BCPS, Critical Care Pharmacist, Medical Intensive Care Unit, University of Kentucky HealthCare, Lexington, Ky.

Learning Objectives:

- Identify the optimal pharmacokinetic/pharmacodynamic parameter used to guide vancomycin dosing calculations.
- Given two vancomycin levels, use pharmacokinetic parameters to calculate a dosing regimen to target area-under-the-curve.
- Compare and contrast the pros and cons of vancomycin delivered as a continuous vs. intermittent infusion.

Presenters:

Alexander H. Flannery, Pharm.D., BCCCP, BCPS

Ryan Mynatt, Pharm.D., BCPS-AQ ID, Clinical Pharmacist Specialist, Infectious Diseases, Detroit Receiving Hospital, Detroit Medical Center, Detroit, Mich.

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4:00 p.m. - 5:00 p.m.

W209 A, Level 2

Engage with Your Learners: It's Time for Pharmacy Preceptors Family Pheud!

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-296-L04-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair: Ellina Seckel, Pharm.D., BCACP, Associate Chief, Ambulatory and Specialty Care, Pharmacy Service, William S. Middleton Veterans Affairs Hospital, Madison, Wis.

Moderator: Daniel M. Riche, Pharm.D., Associate Professor, University of Mississippi, Jackson, Miss.

Learning Objectives:

- Identify ways to maximize the use of resident learners to facilitate unique learner models.
- Apply innovative ways to assign clinical tasks to learners.
- Design roles for different levels of trainees to improve clinic efficiency while optimizing student and resident participation and learning.
- Apply skills in common areas such as medication safety and patient care service projects when training sites are limited.

Presenters:

Felicity Homsted, Pharm.D., BCSP, Chief Pharmacy Officer, Penobscot Community Health Care, Bangor, Maine

Daniel M. Riche, Pharm.D.

Christine A. Schumacher, Pharm.D., BC-ADM, BCACP, BCPS, CDE, Associate Professor Pharmacy Practice, Midwestern University, Downers Grove, Ill.

Ellina Seckel, Pharm.D., BCACP

Kathleen Vest, Pharm.D., BCACP, CDE, Associate Professor of Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, Ill.

4:00 p.m. - 5:00 p.m.

W304 B, Level 3

Narcotics in the Emergency Room: Helpful or Harmful for Headaches?

ACTIVITY #0204-0000-17-297-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Learning Objectives:

- Apply strategies to select effective, non-narcotic medications tailored to an emergency room (ER) migraine patient's needs.
- Employ validated headache questionnaires to identify undiagnosed migraine sufferers and assess their current treatment.
- Propose pharmacists' actions that can improve transitions of care between ER and outpatient settings.

Presenter: Richard Wenzel, Pharm.D., CPPS, Clinical Specialist, Diamond Headache Clinic Inpatient Unit, Chicago, Ill.

4:15 p.m. - 4:45 p.m.

W204 C, Level 2

(Management Case Study) UV-C Improves Pharmacy Air Quality and USP <797> Compliance

ACTIVITY #0204-0000-17-374-L04-P/0204-0000-17-374-L04-T
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Denise Rodriguez, B.S.Pharm. M.B.A., Division Director, The Johns Hopkins Hospital, Baltimore, Md.

Learning Objectives:

- Review the USP <797> sampling requirement.
- Explain the role of UV-C in improving air quality and reducing airborne bacteria and fungus.
- List the types of sampling agars for viable bacteria and fungus.

Presenter: Linda D. Lee, DrPH, M.B.A., Chief Science Officer, American Green Technology, South Bend, Ind.

4:30 p.m. - 5:00 p.m.

W312 A, Level 3

(Management Case Study) Evidence-Based Strategies to Support Value-Based Oncology Care

ACTIVITY #0204-0000-17-376-L04-P
0.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Moderator: Allison Naso, Pharm.D., R.Ph., M.B.A., BCPS, Pharmacy Manager, Cleveland Clinic, Medina, Ohio

Learning Objectives:

- Identify three success factors for system-wide adoption of standardized oncology treatment regimens.
- Describe the elements of chemotherapy stewardship.
- List sources for evidence based oncology treatment decision regimens.

Presenter: Bruce Vinson, Pharm.D., B.S., FASHP, Associate Director of Pharmacy Services, Pharmacy Services, Cedars-Sinai Medical Center, Los Angeles, Calif.

Win a **FREE** REGISTRATION to the 2018 Midyear Meeting if you stay through the end of the Thursday afternoon sessions. One lucky winner will be selected.

Thursday
DECEMBER 7

9:00 a.m. - 10:30 a.m.

W207 A, Level 2

Building a Strong Foundation for Pain Management Stewardship

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-298-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Lee Kral, Pharm.D., BCPS, CPE, Clinical Pharmacy Specialist, Pain Management, The University of Iowa Hospitals & Clinics, Iowa City, Iowa

Learning Objectives:

- Given a patient who is being admitted to the hospital with acute-on-chronic pain, choose pertinent questions to gain a valuable analgesic history.
- Given a patient with acute-on-chronic pain in the inpatient setting, apply principles of multimodal pain management including choosing and adjusting analgesic therapy.
- Given a patient getting ready for discharge, outline a plan of action for the team pharmacist to address analgesic therapy as the patient transitions to the outpatient setting.

Presenters:

Nina M. Bembem, Pharm.D., BCPS, Primary Care Pharmacist, Kaiser Permanente, Oakland, Calif.

Christopher Herndon, Pharm.D., FASHP, Professor, Southern Illinois University Edwardsville, Edwardsville, Ill.

Lee Kral, Pharm.D., BCPS, CPE

9:00 a.m. - 10:30 a.m.

W208 A, Level 2

■ Divine Interventions: Promoting Best Practices in the ICU with Safe Medication Use Guidelines

ACTIVITY #0204-0000-17-299-L05-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Mitchell S. Buckley, Pharm.D., BCCCP, FASHP, FCCM, FCCP, Clinical Pharmacy Specialist – Critical Care, Banner – University Medical Center Phoenix, Phoenix, Ariz.

Learning Objectives:

- Evaluate the impact of medication ordering technology (computerized physician order entry, drug dosing software, and clinical decision support systems) on clinical outcomes.
- Analyze the use of bar code medication administration, double-check systems, and validated subjective assessment tools.
- Recommend optimal patient safety surveillance strategies.

Presenters:

Mitchell S. Buckley, Pharm.D., BCCCP, FASHP, FCCM, FCCP
Joseph Dasta, M.S., B.S., FCCP, MCCN, Professor Emeritus, Hutto Texas

Sandra L. Kane-Gill, Pharm.D., M.Sc., FCCM, FCCP, Associate Professor, University of Pittsburgh, Pittsburgh, Pa.

9:00 a.m. - 10:30 a.m.

W209 A, Level 2

■ Practice Advancement Innovations 2017: Using Outcomes Data and Leveraging for Practice Advancement

Planned in cooperation with the ASHP Sections and Forums

ACTIVITY #0204-0000-17-300-L04-P/0204-0000-17-300-L04-T
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Dale E. English, Pharm.D., B.S.Pharm., R.Ph., FASHP, Associate Dean of Student Affairs, Professor of Clinical & Administrative Sciences, Sullivan University College of Pharmacy, Louisville, Ky.

Learning Objectives:

- Describe ASHP's Practice Advancement Initiative (PAI) direction, updates, and enhancements to assist practitioners and site in advancing their practice(s).
- Identify several current unique practice models that highlight areas and practitioners that are positively affecting practice advancement utilizing outcomes data to leverage practice advancement.
- Discuss strategies which may be used to acquire outcomes data to leverage the implementation of practice advancement and expansion the role of pharmacists and pharmacy technicians.

Presenters:

Dale E. English, Pharm.D., B.S.Pharm., R.Ph., FASHP
Jessica Holt, Pharm.D., BCPS-AQ ID, Infectious Diseases Pharmacy Coordinator, Abbot Northwestern Hospital, Minneapolis, Minn.

Troy A. Moore, Pharm.D., M.S., BCPP, Clinical Pharmacy Specialist, South Texas Veterans Health Care System, San Antonio, Texas

See page 133 for presenter disclosures.

9:00 a.m. - 12:00 p.m.

W308 B, Level 3

■ Team Work Coaching: Getting Your People to Play Nice in the Sandbox and OWN Their Jobs!

ACTIVITY #0204-0000-17-344-L04-P/0204-0000-17-344-L04-T
3.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Describe team dynamics in your pharmacy and/or team.
- Identify critical success factors for high performing teams.
- List strategies to challenges and barriers hindering optimal team performance.
- Recall TEAM Player guidelines for critical practice areas: meetings, communication, negative conversations, discipline, and consequences for violations.

Presenter:

Kelli Vrla, B.B.A., B.A., CRMC, CSP, CEO and Principal, KSV Enterprises, Inc., Plano, Texas

10:30 a.m. - 12:00 p.m.

W204 C, Level 2

■ Accelerating Change: How to Successfully Scale and Spread Care Transition Programs

Planned in cooperation with the Alliance for Integrated Medication Management

ACTIVITY #0204-0000-17-302-L04-P
1.50 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

Program Chair/Moderator: Toni Fera, Pharm.D., B.S.Pharm., Management Team, Alliance for Integrated Medication Management, Pittsburgh, Pa.

Learning Objectives:

- List five change concepts identified by a national learning collaborative that support successful care transition program implementation.
- Describe principles of person and family engagement can be used to support care transition program development.
- Develop a list of key stakeholders to consider when engaging when establishing your care transition program.
- Identify three strategies to expand a population of focus with limited resources.

Presenters:

Michael C. Dejos, Pharm.D., BCPS, Medication Safety Officer, Nemours/Alfred I. DuPont Hospital for Children, Wilmington, Del.

Toni Fera, Pharm.D., B.S.Pharm.

Judith L. Kristeller, Pharm.D., BCPS, Faculty, Wilkes University, Wilkes-Barre, Pa.

10:30 a.m. - 12:15 p.m. W307 B, Level 3

I Want That! Technology Innovation 2017

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

ACTIVITY #0204-0000-17-304-L04-P/0204-0000-17-304-L04-T
1.75 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Program Chair/Moderator: Gwen Volpe, R.Ph., CLSSBB, FASHP, Senior Pharmacist Consultant, Omnicell, Mountain View, Calif.

Learning Objectives:

- Outline the impact of medication non-adherence and barriers to adherence optimization.
- Review the opportunities and challenging in deploying an integrated workflow management system for standardized pediatric dilutions.
- Recognize the need for shareable clinical decision support code and explain how it could be met using open-source software.
- Describe an iterative design model for informatics asset management using cloud based tools..

Presenters:

David Aguero, Pharm.D., Manager, Pharmacy Operations and Technology, St. Jude Children’s Research Hospital, Memphis, Tenn.

Allen Flynn, Pharm.D., Research Analyst, University of Michigan Medical School, Ann Arbor, Mich.

Rachel Pronath, Pharm.D., Clinical Pharmacist, INOVA Alexandria Hospital, Alexandria, VA

Amber R. Slevin, Pharm.D., BCACP, Clinical Pharmacist, Gastroenterology and Hepatology, Froedtert and The Medical College of Wisconsin, Milwaukee, Wis.

11:00 a.m. - 12:00 p.m. W208 A, Level 2

Pain Relief and Analgesic Grief: From the ED to ICU

ACTIVITY #0204-0000-17-303-L01-P
1.00 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Asad Patanwala, Pharm.D., M.P.H., BCPS, FASHP, FCCP, Associate Professor, The University of Arizona, Tucson, Ariz.

Learning Objectives:

- Assess optimal analgesic options for pain given a patient case scenario in the emergency department (ED).
- Compare optimal analgesic options for pain given a patient case scenario in the intensive care unit (ICU).
- Apply guidelines and an evidence-based approach for opioid use in the ED and ICU.

Presenters:

Asad Patanwala, Pharm.D., M.P.H., BCPS, FASHP, FCCP

John Radosevich, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist – Medical Intensive Care Unit, St. Joseph’s Hospital and Medical Center, Phoenix, Ariz.

1:00 p.m. - 2:30 p.m. W209 A, Level 2

The Hype in Hyperglycemia: Current Considerations in Drug Selection

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

ACTIVITY #0204-0000-17-306-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: ADVANCED

Program Chair/Moderator: Diana Isaacs, Pharm.D., BC-ADM, BCPS, CDE, Clinical Pharmacy Specialist, Cleveland Clinic, Cleveland, Ohio

Learning Objectives:

- Describe the eleven pathways that mediate beta cell dysfunction and how this impacts the diagnosis and treatment of diabetes.
- Analyze the role of non-insulin agents in type 1 diabetes.
- Select pharmacologic agents for patients with diabetes based on cardiovascular outcome data.
- Design patient-centered diabetes treatment plans considering the A1C target, cardiovascular impact, and egregious eleven.

Presenters:

Andrew Bzowycykj, Pharm.D., BCPS, CDE, Clinical Assistant Professor, University of Missouri-Kansas City School of Pharmacy, Kansas City, Mo.

Diana Isaacs, Pharm.D., BC-ADM, BCPS, CDE

Pamela Stamm, Pharm.D., BCACP, BCPS, CDE, FASHP, Associate Professor of Pharmacy Practice, Auburn University, Auburn, Ala.

1:00 p.m. - 3:00 p.m. W308 B, Level 3

The 1% Quest to Better Your Best: Staying Resilient & Productive!

ACTIVITY #0204-0000-17-301-L04-P/0204-0000-17-301-L04-T
2.00 CONTACT HOURS | KNOWLEDGE-BASED
EDUCATIONAL LEVEL: GENERAL INTEREST

Learning Objectives:

- Explain how to maximize the return on investment on your productivity at work.
- Identify strategies to remain resilient and productive on the job.
- Summarize a personal action plan to eliminate time wasting.

Presenter:

Kelli Vrla, B.B.A., B.A., CRMC, CSP, CEO and Principal, KSV Enterprises, Inc., Plano, Texas

1:30 p.m. - 3:00 p.m.

W208 A, Level 2

■ **Opioids for Pain:
Drug Seeking Behavior, Acute Pain Management,
and Drug Monitoring Databases**

*Planned in cooperation with the ASHP Section of Clinical
Specialists and Scientists*

ACTIVITY #0204-0000-17-305-L01-P
1.50 CONTACT HOURS | APPLICATION-BASED
EDUCATIONAL LEVEL: INTERMEDIATE

**Program Chair/Moderator: Zlatan Coralic, Pharm.D.,
BCPS**, Emergency Medicine Clinical Pharmacist, University
of California San Francisco, San Francisco, Calif.

Learning Objectives:

- Given a patient presenting with acute or acute-on-chronic pain, develop a reasonable medication plan to minimize adverse effects and risk of dependence/addiction.

- Given a scenario of a patient exhibiting drug-seeking behavior, identify known patterns that have been associated with addiction.
- Given a scenario and a drug prescription database report on a patient suspected of drug-seeking, develop a plan to approach the patient and offer a pain management strategy.

Presenters:

Nicole Acquisto, Pharm.D., Emergency Medicine Clinical Pharmacy Specialist, Department of Pharmacy, University of Rochester Medical Center and Assistant Professor, Department of Emergency Medicine, University of Rochester, Rochester, N.Y.

Bryan D. Hayes, Pharm.D., DABAT, FAACT, FASHP, Clinical Pharmacist, Emergency Medicine and Toxicology, Massachusetts General Hospital and Assistant Professor of Emergency Medicine, Harvard Medical School, Boston, Mass.

3-YEAR RECERTIFICATION PLANS

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Critical Care Pharmacy | Geriatric Pharmacy
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INDUSTRY-SUPPORTED SYMPOSIA

NOTE: Check the hotel reader boards for room locations.

The following listing is provided to you by ASHP as a courtesy; these are commercially supported programs held in conjunction with the Midyear Clinical Meeting and Exhibition and are not part of the official ASHP Midyear meeting programming. Any questions related to these programs should be directed to the company or individual listed. Any preregistration taken for these programs is for planning purposes only and does not guarantee a seat. Seating is limited and provided on a first-come, first-served basis. Early arrival is recommended.

This listing is current as of **September 21, 2017**. The most current listing can be found on the ASHP LIVE! app, meeting registration bags, or on the web at midyear17.ashp.org.

SATELLITE SYMPOSIA

SUNDAY, DECEMBER 3

9:00 a.m. - 11:30 a.m. Hyatt Regency Orlando

■ The Opioid Epidemic: Origin, Issues and Actions

Supported by Cardinal Health. Contact ProCE, Inc., Gail Townley at gtownley@proce.com. **CE Provider:** ProCE, Inc.

2:00 p.m. - 5:00 p.m. Orange County Convention Center

■ Focus on Safety: Compliance Pearls and Priority Issues to Address

Supported by Baxter Healthcare Corporation. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit www.ashpadvantage.com/go/safety.

3:00 p.m. - 5:00 p.m. Hyatt Regency Orlando

■ Leveraging Pharmacist Expertise to Effectively Treat Hemophilia in Health Systems

Supported by Bayer HealthCare Pharmaceuticals and CSL Behring. Contact Rita Sherian, Pharmacy Times Continuing Education at CEinfo@pharmacytimes.com. **CE Provider:** Pharmacy Times Continuing Education

MONDAY, DECEMBER 4

6:00 a.m. - 7:30 a.m. Hyatt Regency Orlando

■ Pharmacy Led Reimbursement Services Improve Revenue and Outcomes while Strengthening Provider Relationships

Supported by Pharmacy Healthcare Solutions/AmerisourceBergen. Contact Julie Taft, AmerisourceBergen Corporation at jtaft@amerisourcebergen.com. **CE Provider:** University of Findlay

6:00 a.m. - 8:00 a.m. Hyatt Regency Orlando

■ Preventing Venous Thromboembolism in Acutely Ill Patients: Key Considerations for Pharmacists (Live Webinar)

Supported by Portola Pharmaceuticals. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. **CE Provider:** ProCE, Inc.

6:15 a.m. - 8:15 a.m. Rosen Centre Hotel

■ The Role of the Hospital and Health System Pharmacist in Managing Hyperkalemia

Supported by Relypsa, Inc. Contact James Palatine, Pharmacy Times Continuing Education at jpalatine@pharmacytimes.com. **CE Provider:** Pharmacy Times Continuing Education

6:30 a.m. - 8:30 a.m. Hyatt Regency Orlando

■ biomerieux Breakfast Symposia

Supported by bioMerieux. Contact Sherry Hightower, bioMerieux, Inc. at sherry.hightower@biomerieux.com. **CE Provider:** West Virginia University

5:30 p.m. - 8:00 p.m. Hyatt Regency Orlando

■ Increasing Pharmacist Awareness of Antibody-Based Biosimilars for the Optimization of Value-Based Care

Supported by Teva Pharmaceuticals. Contact Kristin Ciszkeski, NACCME, LLC at kciszkeski@naccme.com. **CE Provider:** NACCME, LLC

TUESDAY, DECEMBER 5

5:45 a.m. - 7:45 a.m. Hyatt Regency Orlando

■ Expert Answers: Sterile Compounding in Health Systems (Live Webinar)

Supported by PharMEDium Services, LLC. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. **CE Provider:** ProCE, Inc.

5:30 p.m. - 7:00 p.m. Rosen Centre Hotel

■ Extending Beyond Use Dating: Considerations for Your IV Room

Supported by Omnicell. Contact Diane Downing, Downing Events 3Sixty at Diane@DowningEvents3Sixty.com. **CE Provider:** ARL Bio Pharma

5:30 p.m. - 8:00 p.m.

Hyatt Regency Orlando

■ Examining the Clinical and Cost-Effectiveness in Managing Chemotherapy-Induced Severe Neutropenia

Supported by Teva Pharmaceuticals. Contact Kristin Ciszkeski, NACCME, LLC at kciszkeski@naccme.com.

CE Provider: NACCME, LLC

MIDDAY SYMPOSIA

NOTE: All rooms are located in the **Orange County Convention Center West Concourse** unless otherwise noted. Food and beverages (i.e., boxed lunches) are not provided to attendees of Midday Symposia funded by commercial supporters. This policy was established by ASHP in consideration of commercial supporters that have opted to exclude food at *all* continuing education activities based on the Physician Payments Sunshine Act. Midday symposia have been shortened by 30 minutes to allow attendees to eat lunch after the symposia. Alternatively, attendees are free to bring their lunches to the meeting room and eat during the educational activity.

MONDAY, DECEMBER 4

11:30 a.m. - 1:00 p.m.

W101, Level 1

■ PARP Inhibitors and Their Emerging Role in Cancer Therapy: A Guide for the Oncology Pharmacist

Supported by AstraZeneca. Contact Jessica Hall, Creative Educational Concepts at jhall@ceconcepts.com.

CE Provider: Creative Educational Concepts

11:30 a.m. - 1:00 p.m.

W102, Level 1

■ Recognizing Safety Risks and Taking Action to Maximize the Benefits of Smart Pump Technology

Supported by Baxter. Contact Rachel Cohen, ISMP at rcohen@ismp.org. **CE Provider:** ProCE, Inc.

11:30 a.m. - 1:00 p.m.

W103, Level 1

■ Surprising Facts About USP <800> Readiness: What You Need to Know Today to be in Compliance Tomorrow (Live Webinar)

Supported by ICU Medical. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. **CE Provider:** ProCE, Inc.

11:30 a.m. - 1:00 p.m.

W104, Level 1

■ Evolving Treatment Options and Care Management Strategies: A Multiple Sclerosis Update for Pharmacists

Supported by Novartis Pharmaceuticals Corporation. Contact Steven Casebeer, Impact Education, LLC at steve.casebeer@impactedu.net. **CE Provider:** Postgraduate Institute for Medicine

11:30 a.m. - 1:00 p.m.

W109A, Level 1

■ Processes to Address Surface Contamination for USP Chapter <800> (Live Webinar)

Supported by an educational grant from BD. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit

www.ashpadvantage.com/go/contamination.

11:30 a.m. - 1:00 p.m.

W109B, Level 1

■ Novel Therapies in the Treatment of Cancer: The Emerging Role of Immunotherapies (Live Webinar)

Supported by an educational grant from Merck. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists - CPE/CME accredited

For more information, visit

www.cemidday.com/immunotherapy17.

11:30 a.m. - 1:00 p.m.

W110A, Level 1

■ Better Management of Chronic Heart Failure through Better Transitions of Care: A Clinical Case Studies Workshop (Live Webinar)

Supported by an educational grant from Novartis Pharmaceuticals Corporation. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit

www.ashpadvantage.com/go/chfcare.

11:30 a.m. - 1:00 p.m.

W110B, Level 1

■ Hot Topics in Hyperthermia (Live Webinar)

Supported by an educational grant from Eagle Pharmaceuticals, Inc. Contact ASHP Advantage at elarning@ashp.org.

CE Provider: American Society of Health-System Pharmacists - CPE/CME accredited

For more information, visit

www.ashpadvantage.com/go/hot.

TUESDAY, DECEMBER 5

11:30 a.m. - 1:00 p.m.

W101, Level 1

■ The Expanding Role of the Pharmacist in HIV Prevention: What Do You Know About PrEP?

Supported by Gilead Sciences, Inc. Contact Mara Simpson, Integritas Communications at msimpson@integritasgrp.com.

CE Provider: Postgraduate Institute for Medicine

11:30 a.m. - 1:00 p.m. W102, Level 1

■ Evolving Therapies for Advanced or Metastatic Breast Cancer: A Focus on CDK 4/6 Inhibition

Supported by Pfizer. Contact Cathy Zehr, ASiM CE, LLC at czehr@asimcme.com. **CE Provider:** The University of Tennessee College of Pharmacy

11:30 a.m. - 1:00 p.m. W103, Level 1

■ What do Pharmacists Need to Know about OIC: Practical Approaches in Assessment and Management

Supported by Salix, a Division of Valeant Pharmaceuticals North America. Contact Maja Drenovac, Vemco MedEd at mdrenovac@vemcomeded.com. **CE Provider:** Center for Independent Healthcare Education

11:30 a.m. - 1:00 p.m. W104, Level 1

■ Preventing Errors During Sterile Compounding: Taking the Next Steps

Supported by BD. Contact Rachel Cohen, ISMP at rcohen@ismp.org. **CE Provider:** ProCE, Inc.

11:30 a.m. - 1:00 p.m. W109B, Level 1

■ Contemporary Use of Neuromuscular Blockade in Complex Patients — Maximizing Safety and Effectiveness (Live Webinar)

Supported by an educational grant from Merck. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists - CPE/CME accredited

For more information, visit www.cemidday.com/anesthesia17.

11:30 a.m. - 1:00 p.m. W110A, Level 1

■ Optimizing Acute Pain Management in the Emergency Department and Short-stay Inpatient and Ambulatory Settings (Live Webinar)

Supported by an educational grant from AcclRx Pharmaceuticals, Inc. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit www.ashpadvantage.com/go/acutepain.

11:30 a.m. - 1:00 p.m. W110B, Level 1

■ Ensuring Safe and Appropriate Use of Parenteral Nutrition Therapy (Live Webinar)

Supported by an educational grant from Fresenius Kabi USA, LLC. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit www.ashpadvantage.com/go/pntherapy.



All attendees must claim their CE credits ONLINE WITHIN 60 DAYS of the sessions they attended.

WEDNESDAY, DECEMBER 6

11:30 a.m. - 1:00 p.m. W101, Level 1

■ Developing an Infusion Site of Care Strategy for Your Health System

Supported by Pharmacy Healthcare Solutions. Contact Julie Taft, AmerisourceBergen Corporation at jtaft@amerisourcebergen.com. **CE Provider:** University of Findlay

11:30 a.m. - 1:00 p.m. W102, Level 1

■ PAH: Collaborative Care (Live Webinar)

Supported by Actelion Pharmaceuticals US, Inc. and Bayer HealthCare Pharmaceuticals Inc. Contact Gait Townley, ProCE, Inc. at gatownley@proce.com. **CE Provider:** ProCE, Inc.

11:30 a.m. - 1:00 p.m. W103, Level 1

■ Subcutaneous Insulin Use in Adults: Addressing Risks and Optimizing Safety

Supported by Lilly and Novo Nordisk. Contact Rachel Cohen, ISMP at rcohen@ismp.org. **CE Provider:** ProCE, Inc.

11:30 a.m. - 1:00 p.m. W109B, Level 1

■ Emerging Trends in the Management of Hepatitis C Virus Infection: Best Practices for Achieving Sustained Virologic Responses (Live Webinar)

Supported by an educational grant from Merck. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit www.cemidday.com/hepc17.

11:30 a.m. - 1:00 p.m. W110A, Level 1

■ Contemporary Approaches to Decreasing Drug Waste: Optimizing Processes and Technology (Live Webinar)

Supported by an educational grant from BD. Contact ASHP Advantage at elarning@ashp.org. **CE Provider:** American Society of Health-System Pharmacists

For more information, visit www.ashpadvantage.com/go/drugwaste.

POSTER PRESENTATIONS

NOTE: All poster sessions will take place in the Orange County Convention Center West Concourse.

Gain insight into successful programs from health systems in the U.S. and around the world!

Professional poster presentations are listed below; Student, Resident, and Fellows presentations are listed on the ASHP LIVE! app.

West Hall B4, Level 2

■ The ASHP Federal Forum: Meet the Researchers Poster Session*

Sunday, December 3 3:45 p.m. - 5:15 p.m.

■ Professional Posters**

Monday, December 4 2:30 p.m. - 4:00 p.m.

Tuesday, December 5 2:30 p.m. - 4:00 p.m.

■ Student Posters

Monday, December 4 10:45 a.m. - 11:45 a.m.
12:00 p.m. - 1:00 p.m.

Tuesday, December 5 10:45 a.m. - 11:45 a.m.
12:00 p.m. - 1:00 p.m.

Wednesday, December 6 8:30 a.m. - 9:30 a.m.

■ Resident Posters

Wednesday, December 6 10:00 a.m. - 11:00 a.m.
11:15 a.m. - 12:15 p.m.
12:30 p.m. - 1:30 p.m.
1:45 p.m. - 2:45 p.m.
3:00 p.m. - 4:00 p.m.

*Participants may earn up to one hour of CE credit. For more information see page 63.

**Fellows will present on Tuesday in the Professional Poster session. Check the ASHP LIVE! app for a listing.

FEDERAL FORUM POSTERS

Categories: Ambulatory Care, Cardiology/Anticoagulation, Drug Information/Drug Use Evaluation, Emergency Preparedness, Geriatrics, Infectious Disease/HIV, Leadership Development, Pain Management/Palliative Care, Pediatrics, Safety/Quality, Women's Health

SUNDAY, DECEMBER 3

■ Ambulatory Care

1-001 Outcomes and incidence of hepatitis C in a Native American population receiving treatment in a pharmacy managed clinic, Max Burchett-Zuniga, Jennifer Pham, Danica J. Brown, Melanie Claborn

1-002 A1c reduction and weight loss in a veteran population using glucagon-like peptide-1 (GLP-1) receptor agonists, Darin Ramsey, Shelby Beutel

1-003 Characterization of pancreatic enzyme replacement therapy at Veterans Administrations Long Beach Healthcare System - a focused evaluation on product conversions, Ivy Tonnu-Mihara, Lily Feng

1-004 Self-monitoring of blood glucose within veterans with hemoglobin A1c-stable type-2 diabetes mellitus, Ivy Tonnu-Mihara, Michelle Ho, Chloe Kim

1-005 Medication use evaluation (MUE) of patients with chronic obstructive pulmonary disease (COPD) on inhaled mometasone, Megan Ziegler

■ Cardiology/Anticoagulation

1-006 Comparison of bleed rates with direct oral anticoagulants and warfarin in patients concurrently receiving clopidogrel, Jacob Beyer, Travis Linneman

1-007 Effects of dual antiplatelet (DAPT) duration on rates of occurrence of major adverse limb events (MALE) and major adverse cardiovascular events (MACE) post peripheral stenting, Clare Freund, Travis W. Linneman, Colleen A. Linsenmayer

Share Your Expertise with Students and Residents

We invite you to share your expertise with student or resident poster presenters at this year's meeting. Discuss a project one-on-one with a student or resident for just 15 to 20 minutes and, in an hour, your thoughtful sharing of your time will help prepare three or more future pharmacists to serve our profession a little better.

Please stop by the desk in the poster hall during any of the poster sessions to participate. Your contribution is much appreciated!

1-008 Assessment of the current monitoring protocol and interventions made by anticoagulation clinic pharmacists in patients taking a direct oral anticoagulant (DOAC), Krista Sarvis, Amy Doten, Jessica Mitchell, Christina Wilkinson

■ **Drug Information/Drug Use Evaluation**

1-009 Terbinafine and thrombotic microangiopathy: data from the FDA Adverse Event Reporting System (FAERS) database, Carmen Cheng, Allen Brinker, Ida-Lina Diak, Robert L. Levin

■ **Emergency Preparedness**

1-010 Medication code tray redesign for improved access and faster delivery of medications in emergency situations at a Veterans Affairs medical center, Kristine Gherardi

■ **Geriatrics**

1-011 Current drug utilization analysis on potentially inappropriate medications for the elderly, Sumin Hong, Younjoo Jung, Hyekeun Jeong, Boyeon Kim

1-012 The association between chronic proton pump inhibitor use and dementia at the Providence VA Medical Center, Alissa Scalise, Carol Botelho

■ **Infectious Disease/HIV**

1-014 Eradication rates of Helicobacter pylori infection between different regimens at the VA St. Louis HCS, Cody Anderson, Travis Linneman

■ **Leadership Development**

1-015 Employee engagement: what's the challenge?, Kelly Moran, Daniel Heser

1-016 Training the trainer: Externs teaching externs pharmacy workflow, Monazzah Sarwar, Sami Labib, Rita Edwards

■ **Pain Management/Palliative Care**

1-017 Safety and efficacy of the sufentanil sublingual tablet 30 mcg by BMI sub-group for the treatment of acute pain in medically supervised settings, Karen DiDonato, Jacob Hutchins, James Miner, Harold Minkowitz, Pamela Palmer

1-018 Preemptive parecoxib and sufentanil-based multimodal regimen notably improved postoperative pain management in TACE for treatment of HCC: a prospective control trial, Yuefeng Rao, Luping Zhao, Zhiying Feng, Junhui Sun, Xiaoyang Lu

1-019 Implementation of a pharmacy led pain clinic focusing on high-risk opioid patients: a resident-driven quality improvement project, Megan Ziegler, Shawn Dalton, James McDonald, Kelly Moran, Cedar Koetting

■ **Pediatrics**

1-020 Evaluation of empiric vancomycin dosing regimens among neonates in a Korean tertiary care hospital, Hyunjeong Doh, Inkyung Yoon, Eunsook Lee, Euni Lee, Changwon Choi

■ **Safety/Quality**

1-021 Achieving cost saving in lung transplant prescribing—a quality improvement approach, Patricia Ging, Jennifer Brown, Oisín J. O’Connell, Ciaran Meegan

1-022 Interdisciplinary approach in reducing medication errors with ordering ophthalmic medications and improving patient safety, Isabel Karceski, Alexandra Riskus, Kristin Crees, Richard Rooney, Jessica Zacher

1-023 Analysis of pharmacy interventions used to resolve safety target of polypharmacy (STOP) gemfibrozil-statin interactions, Barbara Kasper, Angela Erdel, Janelle Maland, Caitlynn Tabaka

1-024 A qualitative study of the experiences and behaviors of health professionals around medication error causality and reporting at Hamad Medical Corporation, Qatar, Binny Thomas, Moza AL Hail AL Hail, Pallivalappila Abdulrouf, Wessam Elkasseem, Derek Stewart

■ **Women’s Health**

1-025 Evaluation of awareness in females with and without poly cystic ovary syndrome, Hiba Saadeddine, Fatima M. Baderddine, Diana N. Malaeb

1-026 Implementation of women’s health pharmacy services in a VA medical center, Veronica Vernon

PROFESSIONAL POSTERS

Categories: Administrative Practice/ Financial Management/Human Resources, Clinical Services Management, Critical Care, Drug Information/Drug Use Evaluation, Emergency Medicine, Informatics/Technology/Automation, Oncology/Hematology, Pain Management/Palliative Care, Pediatrics, Pharmacokinetics, Safety/Quality

MONDAY, DECEMBER 4

■ **Administrative Practice/Financial Management/ Human Resources**

4-001 Systematic review of brazilian hospital pharmacy history, Lindemberg Costa, Charleston Ribeiro Pinto, Mariana Melo, Bruna Sampaio

4-002 Calculating the ROI of clinical pharmacy services: Metric-based evaluation of pharmacist interventions in a community teaching hospital using parallel data mining software, Joseph Cruz, Jeffrey Nemeth, GaEun Joung, James Regan

- 4-003** **Creation of a pharmacy supply chain scorecard to measure performance and identify opportunities for improvement**, John Feucht, Frances Fu, Melissa Strayer, Martin Ober, Ryan Gardner
- 4-004** **340B drug pricing program maintenance: methods used to identify charge drug master changes and billing discrepancies at a disproportionate share hospital**, Gabriel Guerra, Kenny Yu, Kenny Eng, Mark Capuano
- 4-005** **Validation of a pharmacy residency screening tool: leave no stone unturned**, Daniel Hu, Danny Veenhouwer, Julie McCoy, Dominick Caselnova
- 4-006** **Could regular review of formulary dose strengths reduce hospital drug expenditure? A quality improvement simulation**, Rebecca Humbert, Robert Seabury, William Darko, Theresa Balotin, Bruce Stalder
- 4-007** **Structure and economic impact of pharmacy driven patient assistance program in a community teaching hospital**, GaEun Joung, Christina DeMarco, Joseph Cruz, Jeffrey Nemeth
- 4-008** **Reduction in percent of formulary medication stock outs in Pyxis ES**, Marybeth Kazanas, Denise Kingsbury
- 4-010** **The revision of inpatient antineoplastic infusion admission guidelines for cost containment**, Heidi Larson, Adrienne Donaldson
- 4-011** **Controlled substance diversion in health systems: failure mode and effects analysis for prevention**, Karen Nolan, Andrew Zullo, Elliott Bosco, Christine Marchese, Christine Berard-Collins
- 4-012** **Admission medication histories performed by student pharmacists at a large academic hospital**, Drew Raley, Christopher Chapleau, Mary Hatcher
- 4-013** **Expense reduction achieved after switching from lidocaine 5% ointment to lidocaine 2% jelly switch in post-partum order sets**, Urshila Shah
- 4-014** **Patients' knowledge of the role of clinical pharmacists and perception of the need for their services in Lebanon**, Marwan Sheikh-Taha, Louna Koaik, Richard El Housseiny
- 4-015** **Implementation of emergency department (ED) pharmacy team in a community hospital: pilot to approval of permanent service**, HyeJin Son, David Fortner, David Cobb
- 4-016** **Inpatient dose de-escalation reduces hospital pharmacy costs**, Katherine Thompson, Jerome Wohleb, Scott Persson
- 4-017** **Pharmacy financial reporting package: budget variance evaluation and identification of expense mitigation initiatives**, Robyn Vonderheyde, Marjorie Lazarre, Adrienne Donaldson
- 4-018** **Creating sustainable solutions (Flex Teams) to achieve minimum staffing requirements across pharmacy services in a multi-hospital health system**, Richard Wojtowicz, Erin Taylor, Sean Illig, Aaron Michelucci
- 4-019** **Impact of pharmacist coaching on compliance with a metronidazole dosing collaborative drug therapy management agreement in a health system**, Susan Wollum, Timothy Woods
- Clinical Services Management**
- 4-020** **Provision of consistent, quality ICU services through creation of a critical care pharmacy team in a community hospital with limited clinical resources**, Liza Andrews, Penelope Wasyluk, Katherine Mundhenk, Shesha Desai, Alex Kardos
- 4-021** **Effectiveness of a multidisciplinary approach to diabetic care involving pharmacists (MDCP) in managing hospitalized patients**, Shi Ya Au Yong, Mun Yee Fong, Kai Xin Ng
- 4-022** **Antibiotic stewardship program supported by clinical surveillance increases pharmacy interventions and reduces costs**, Sara Bassi, Tasha St. John
- 4-023** **Pharmacy assisted admission medication histories and reconciliation: full hospital expansion**, Kimberly Boothe, Katarzyna Szabłowski, Sara Cohn, Lionel Picot-Vierra, Jessica Vigneau
- 4-024** **Effect of a pharmacy-led transitions of care program on heart failure readmission rates at a community hospital**, Kyle Brown, Alan Chen, Natalie Erichsen, Rosana Shifan, Alekhya Uppala
- 4-025** **Assessment of the impact of pharmacy learners on essential patient care processes**, Matthew Chow, Philip Lui, Karen Cameron, Bassem Hamandi, Olavo Fernandes
- 4-026** **Implementation of heart failure readmission prevention program across a national health system**, Lynn Eschenbacher, Mohammed Abdulwahhab
- 4-027** **Impact of a bedside medication delivery program at a community-based academic medical center**, Halley Gibson, Phung On
- 4-028** **Implementation and evaluation of a team-based pharmacy practice model in a community health system**, Taylor Gill, Luciana M. Thornton, Todd Schroeder, Kenneth J. Utz, Charles T. Gerlach
- 4-029** **Clinical pharmacist training standardization for newly hired pharmacists at an academic medical center**, Abby Kim, Kirsten Petty
- 4-030** **Risk prediction model of 30-day hospital readmissions for patients with heart failure**, Daniel Kudryashov, Sang Kyu Cho, Yuna H. Bae, Jeffrey S. McCombs

- 4-031 **Evaluation of pharmacist's interventions in medical intensive care unit**, Suna Lee, Young Hee Lee
- 4-032 **Impact of pharmacist's presence in wards on nursing and patient care**, Abdulmohsin Marghalani
- 4-033 **Augmentation of pharmacist clinical services through implementation of decentralization and the care team conference process**, Laura McElroy, Erika Hasford
- 4-034 **Impact of pharmacist resources to the perioperative surgical home in elective total joint arthroplasty patients**, Kelsea Mizusawa, Kellie Octavio, Shanele Shimabuku, Laura Ota, Joy Matsuyama
- 4-035 **Development of insulin-dosing-per-pharmacy service: progress and clinical outcomes**, Thao Nguyen, Catherine Van
- 4-036 **Pharmacy care transition service: a comprehensive medication management program, progress and clinical outcomes**, Thao Nguyen, Lan Nguyen
- 4-037 **Implementing clinical pharmaceutical services at a surgical department at Odense University Hospital**, Michelle Nielsen
- 4-038 **A cost-effectiveness analysis: an integrated medication therapy management with point of care CYP2C19 guided antiplatelet treatment services in patients after percutaneous coronary intervention (PCI)**, Arinze Nkemdirim Okere, Kyrian Ezendu, Abdrahmane Berthe, Vakaramoko Diaby
- 4-039 **Impact of pharmacist led intravenous to oral conversions at order entry for three high cost medications at a community hospital**, Savannah Posey, Jennifer Nickelson
- 4-040 **Development of a multi-medication management service in a health-system based specialty pharmacy**, Veranika Sasnovskaya, Lisa M. Kumor
- 4-041 **Implementation of a pharmacist managed glycemia protocol and transition of care service in post-operative cardiac surgery patients**, Stacy Schoepke, Patricia J. Christopherson, Caitlin R. Lemmer, Jade A. Uffenbeck
- 4-042 **Implementation of a discharge medication counseling service in a community hospital**, Loretta Slone, Brittany L. Riley
- 4-043 **Reducing financial toxicity for patients living with cancer through a collaborative pharmacy concierge program**, Onisis Stefas, Edward German, Chung-Shien Lee, Ashley Galla
- 4-044 **Proton pump inhibitor stewardship in 93 long term acute care hospitals**, Kurt Streepy, Chris Marshall, Antony Grigonis, Samuel Hammerman

- 4-045 **Impact of a clinical pharmacist on a transfusion-free medicine and surgery service**, Eridania Teixeira, Kevin Wright, Safiya S. Naidjate, Rachel E. Fortin, Christine Berard-Collins
- 4-046 **Implementation of clinical pharmacists in care coordination on surgical units in a tertiary academic center: a review**, Jackie Tran, Ahmed Eid, John D. Hill, Jennifer Gillespie, Virna Almuete

■ Critical Care

- 4-048 **Fentanyl monotherapy versus the fentanyl plus midazolam combination in the management of mechanically ventilated neonates in the intensive care setting in Qatar: a cost-effectiveness analysis**, Daoud Al-Badriyeh, Dina AbuShanab, Omar Alsoukhni, Fouad Abounahia
- 4-049 **Making the shift from "sedation" to managing pain: implementing the 2013 SCCM Pain, Agitation & Delirium (PAD) guidelines reliably in an open community-based ICU**, Liza Andrews, Natalie Jones, Nina Roberts, Suzanne Caravella
- 4-050 **Influencing factors to vancomycin clearance in trauma intensive care unit patients**, Hundo Cho, Young Hwa Choi, Suna Lee
- 4-051 **Evaluation of the use of ethanol infusion for alcohol withdrawal**, Ramy Girgis, Patricia Louzon-Lynch
- 4-052 **Evaluation of a pharmacy-derived extravasation management policy at a community health care system**, Daniel Padgett, Shelby Gaudet, Rudy Seilmann
- 4-053 **Use of an algorithm-based protocol to improve the safety and effectiveness of insulin infusions in adult critically ill patients**, Andrew Straznitskas, Bella Kohn, Michael Blumenfeld
- 4-054 **Is levetiracetam associated with agitation in traumatic brain injury?**, Victoria Tsai, Harminder Sikand
- 4-055 **Drug repositioning research aimed at improving the survival rate of patients with cardiopulmonary arrest using large-scale medical claims database**, Yoshito Zamami, Takahiro Niimura, Masaki Imanishi, Kenshi Takechi, Keisuke Ishizawa

■ Drug Information/Drug Use Evaluation

- 4-056 **Prescribing patterns of dipeptidyl peptidase-4 inhibitors and glucagon-like peptide-1 agonists in the Lebanese community**, Samar Abdessater, Mariam K. Dabbous, Pamela Whaiby, Fouad R. Sakr, Michelle Cherfan
- 4-057 **Comparison of periarticular liposomal bupivacaine versus an alternative cocktail for postoperative pain management after hip or knee surgery**, Sara Badaglialacqua, Mike Mesdaghi

- 4-058 Cost containment of intravenous acetaminophen use in a county health system**, Erika Bergeron, Jacqueline Y. Milton-Brown
- 4-059 Pharmaco-economic cost reduction collaboration to reduce anesthetic gas use**, Erika Bergeron, Jacqueline Milton-Brown
- 4-060 Real-world efficacy and safety of ibrutinib: a single institutional experience**, Maria Castro, Jorge Gines, Antonio Gutierrez, Pilar Rovira, Barbara Boyeras
- 4-061 Human prothrombin complex concentrate utilization evaluation at a community hospital**, Marsha Crader, Rebecca Smith
- 4-062 Balancing innovative cancer care and protection of institutional resources: outcomes of a novel formula management approach**, David Crowther, Stacey M. Sobocinski, Mara Villanueva, Adriana Rivera, Wendy D. Heck
- 4-063 Compliance with drug-use process steps in care units: a cross-sectional observational study**, Eléonore Holscher, Suzanne Atkinson, Stéphanie Duval, Véronique Pelchat, Jean-François Bussièrès
- 4-064 Characterizing the nature of research in pediatric polypharmacy: a scoping review**, Alexis Horace, Hannah Johnson, Negar Golchin, Jennifer Staley, Paul M. Bakaki
- 4-065 Development and clinical application of management tool to monitor side effects for atypical anti-psychotics**, Shunsuke Ishida, Hiroshi Bando, Kenshi Takechi, Yoshito Zamami, Keisuke Ishizawa
- 4-066 Pattern of anti-hypertensive drug use and the extent of blood pressure control in Lebanese patients**, Rana Jaafar, Fouad R. Sakr, Rawan Barakat, Mariam K. Dabbous, Mohamad Iskandarani
- 4-067 Proton pump inhibitor and histamine 2 receptor antagonist use in adults taking clopidogrel from 2007-2014**, Shanique James, Amie Armbrister, Claudia Nunez Chiang, Annette Vidal, Alexandra Perez
- 4-068 Combining selective dual orexin receptor antagonist with melatonin receptor agonists does not increase the incidence of delirium in acute stroke patients**, Kei Kawada, Tsuyoshi Ohta, Norifumi Miyamoto
- 4-069 Assessment of dual anti-platelet therapy use and patients' level of therapy awareness in the Lebanese community**, Rawan Khankan, Aya M. Lteif, Fouad R. Sakr, Mariam K. Dabbous, Jihan Safwan
- 4-070 Screening a large patient cohort for HLA-B*15:02 identifies non-Asian patients at risk of carbamazepine-induced Stevens-Johnson syndrome during carbamazepine therapy**, Leah LaRue, Andria Del Tredici, Tanya Moreno, Eric Dawson
- 4-071 Impact of cascade reporting on fluoroquinolone prescribing**, Nancy Le, Olga H. DeTorres, Marissa Fajardo
- 4-072 Impact of large group presentation versus small group facilitated discussion on literature evaluation performance and student confidence**, Wesley Lindsey, Daniel Surry
- 4-073 Implementation of active learning in a literature evaluation module for Japanese pharmacy students during a hospital rotation**, Shinichi Masuda, Masahiro Sakai, Kazuko Kobayashi, Sumiko Hiura, Hideki Kobayashi
- 4-074 Optimization of the use of prothrombin complex concentrates across a community hospital system**, Jeff McCarthy, Kenneth R. Eugenio, Virginia Camisa, Michael Marcoux, John Evans
- 4-075 Catheter-associated urinary tract infection (CA-UTI) prophylaxis after robotic radical prostatectomy (RRP)**, Ashley McDonald, Nicholas O'Rourke, Whitney Bergquist
- 4-076 Utilizing cost saving strategies for smoking cessation in a county health-system**, Jacqueline Milton-Brown, Goldina Erowele, Abdul-Jelil Tagoe
- 4-077 Pharmaco-economic impact of pulmonary hypertension in a county hospital system**, Jacqueline Milton-Brown, Erika J. Bergeron, Goldina Erowele
- 4-078 National survey of pharmacy residencies' statistical training practices**, Cheyenne Newsome, Keenan Ryan, Preeyaporn Sarangarm, Ludmila Bakhireva
- 4-079 Evaluation of the use of bisphosphonates in osteoporosis patients**, Sahar Obeid, Abed Al-Karim N. Hazimeh, Diana N. Malaeb
- 4-080 Psychotropic medication side effects - training program and feedback**, Bernie Olin, Wesley T. Lindsey
- 4-081 Comparison of potassium values before and after patiromer initiation among patients receiving chronic hemodialysis in the United States**, Christopher Rowan, Csaba P. Kovesdy, Charles Du Mond, Nina Oestreicher, Wolfgang C. Winkelmayr
- 4-082 Adherence to renal dosing adjustment guidelines in chronic kidney disease inpatients at two hospitals in Beirut, Lebanon**, Rayan Saad, Sara M. Katibi, Zeinab M. Haidar, Bahya A. Chahine
- 4-083 Usage of palbociclib among patients with hormone receptor-positive metastatic breast cancer in a large tertiary care hospital in the United Arab Emirates**, Lina Wahba, Hassan Jaafar, Khaled Qawasmeh, Pawan Kumar, Mohammed Jaloudi
- 4-084 E-Learning for optimizing professional competency training in drug information**, Aiwen Wang, Shyamala Narayanaswamy

■ **Emergency Medicine**

- 4-085 **Impact of clinical pharmacist in Emergency department of an academic hospital in Saudi Arabia**, Waad Alkathiri, Hossam Hassan
- 4-086 **Anaphylactoid orolingual angioedema following alteplase treatment of acute ischemic stroke in a patient being treated with an angiotensin converting enzyme inhibitor**, Kevin Brandon
- 4-087 **Design and implementation of an emergency department deep vein thrombosis discharge program**, Olga Ginsberg, Borislav Stoev, Karen Knipe-Simone, Renee DiMarzio
- 4-088 **Thrombolytic use in cardiac arrest related to pulmonary embolism: an evaluative study**, Katie Hiles, Aaron L. Steffenhagen, Sara C. Damewood
- 4-089 **Predictors of delayed medication administration in the emergency department**, Alyssa Kaufman, Patrick Aaronson, June McAdams, Joe Spillane, Mark Schreiber
- 4-090 **Implementation of a pharmacist driven urine culture follow-up service in the emergency department**, Elizabeth Legros, Jessica A. Wallis
- 4-091 **Impact of a pharmacist-managed culture review and follow-up process in the emergency department**, Brian Maynard, Branka Milicev
- 4-092 **An evaluation of emergency medicine pharmacist (EMP) productivity in a community hospital: clinical services, medication reconciliation, and hours of operation**, Amanda Melton, Nolan Toups, David Damaske, Randy Martin, Susann Land
- 4-093 **Retrospective review of emergency medicine pharmacists' impact on Centers for Medicare and Medicaid Services sepsis bundle compliance in the emergency department**, Stefanie Reid, Cody Null, Courtney Selby, Kyla Gossman, Amber Evans
- 4-094 **ST segment elevation myocardial infarction following administration of tissue plasminogen activator for acute stroke**, Frank Rigelsky, Matthew Nagar, Julia Kuroski, Melissa Raich
- 4-095 **Cost and labor savings from a formula based systematic reduction in ED drug inventory**, Richard Thomas, Jake Critchlow, Amie Quinones, Jeremy Bair, Kyle Gordon

■ **Informatics/Technology/Automation**

- 4-096 **Establishing a beyond use date for compounded haloperidol oral suspension prepared from tablets using a novel automated wet-milling technology**, Joe D'Silva, Karen J. Jones, Annie C. Schuelke, John C. Walton, Edmund J. Elder

- 4-097 **Physicians health technology-related needs in a low-resource setting: a pilot study**, Ruth Jeminiwa, Brent I. Fox
- 4-099 **Search engine optimization: Increasing accessibility to medical response documents on medical information websites for an improved customer experience**, Neil Shah, Pooja Gandhi
- 4-100 **Integrated pharmacy applications: enhancing pharmacist workflow efficiency**, Glen Thompson, Hong Lam, Neil Ratcliff

■ **Oncology/Hematology**

- 4-101 **Pharmacoeconomics analysis of capecitabine versus 5-fluorouracil/leucovorin as adjuvant therapy in stage III colon cancer in the state of Qatar**, Daoud Al-Badriyeh, Ahmad Alkadour, Jonas Feilchenfeldt, Amir Nounou, Shereen El Azzazy
- 4-102 **How much does the reduced dosage of doxorubicin affect the hematological status in the population with mildly elevated liver transaminases?**, Jinwoo Byon, Seong-gil Ryu, Yang-suk Na
- 4-103 **Multicenter study of environmental contamination with ten antineoplastic drugs: preliminary results**, Laure Chauchat, Nicolas Caron, Sebastien Gagné, Cynthia Tanguay, Jean-François Bussi eres
- 4-104 **Designing and implementing an oncology pharmacy satellite in a sole community teaching hospital**, Jason Harsanye, William Latimer
- 4-105 **Risk factors for denosumab or zoledronic acid-related osteonecrosis of the jaw in cancer patients with bone metastases**, Hiroaki Ikesue, Moe Shimosato, Hideaki Tomita, Toshihiko Takenobu, Tohru Hashida
- 4-106 **Evaluation of medication adherence and pharmacokinetics of dasatinib towards complete molecular response in newly diagnosed Japanese patients with chronic myeloid leukemia**, Takuya Iwamoto, Fumihiko Monma, Kohshi Ohishi, Masahiro Okuda, Naoyuki Katayama
- 4-107 **Retrospective claims data comparison of incidence of febrile neutropenia (FN) between biosimilar filgrastim-sndz/EP2006 and reference filgrastim in patients treated with chemotherapy regimens for non-myeloid cancers**, Lincy Lal, Stephanie Korrer, Sanjeev Balu, Kim Campbell, Lee Schwartzberg
- 4-108 **Evaluation of an improvement strategy on the preparation of cytostatic drugs**, Alba Leon Barbosa, Ana Lozano Blazquez, Monica Carbajales, Ruben Pampin Sanchez, Aitor Ayastuy

- 4-110** **Usefulness of blood calcium concentration as a index for hypomagnesemia in patients administered anti-EGFR antibodies**, Toshiyasu Tsujii, Kaori Nakae, Daisuke Kise, Hiroki Ueda, Masahiro Moriyama
- 4-111** **National analysis of length of stay, costs, and mortality associated with acute graft-vs-host disease during initial allogeneic hematopoietic stem cell transplantation hospitalization**, Jingbo Yu, Shreekant Parasuraman, Anshul Shah

■ Pain Management/Palliative Care

- 4-112** **Multidisciplinary ketamine for pain clinical practice guideline at a large tertiary care hospital**, Lama Kanawati
- 4-113** **Evaluation of a care pathway incorporating liposomal bupivacaine injection to standard care for patients undergoing total knee arthroplasty**, Daniel Knolhoff, Kyle Shick, Jeremy McGarvey, Susan Peterson
- 4-114** **Implementation of the alternatives to opiates (ALTO) protocol for acute pain management in the emergency department**, Ethan Nhan, Shimeng Liu, Reva Dubin, Thomas A. Brabson, Joseph Reilly
- 4-115** **Multi-hospital medication use evaluation of liposomal bupivacaine in various surgery types**, Nisha Pherwani, Jennifer D. Van Cura, Steve Lundquist
- 4-116** **The use of olanzapine as an adjunctive treatment for pain in palliative care patients**, Nadine Siazon, Harminder Sikand
- 4-117** **Impact of concomitant opioid analgesics and cachexia stage on pregabalin pharmacokinetics and central symptoms in cancer patients**, Nozomi Yoshikawa, Takafumi Naito, Tatsuya Yagi, Junichi Kawakami

■ Pediatrics

- 4-118** **Perampanel use in the treatment of pediatric epilepsy**, Jon Cokley, Prakash Kotagal, Jessica Hoover
- 4-119** **Incidence of Clostridium difficile infection and associated risk factors among paediatric inpatients at Hamad General Hospital, a tertiary teaching hospital in Qatar: one-year retrospective study**, Ahmed Khalil, Emad elmagboul, Anand Deshmukh, Asmaa Mohamed, Ahmed Elmasoudi
- 4-120** **Implementation of digital health tool for medication education following pediatric liver transplantation**, Casey Moore, Shiho Fukasawa, Thomas Nemeth, Jennifer Pak, Hyacinth Wilson
- 4-121** **Transient neonatal diabetes management with subcutaneous insulin pump in a preterm infant**, Julia Muzzy Williamson, Brenda Thurlow, Mohamed W. Mohamed, Luis Casas

■ Pharmacokinetics

- 4-122** **Simultaneous determination of itraconazole and its major metabolites in human plasma using an LC-MS/MS and its clinical application**, Yumi Imoto, Takafumi Naito, Takaaki Ono, Junichi Kawakami
- 4-123** **Monte Carlo analysis of meropenem-vaborbactam compared to meropenem alone against various Enterobacteriaceae spp**, Joshua Knight, Roger White
- 4-124** **Monte Carlo analysis of aztreonam-avibactam and ceftazidime-avibactam against wild-type and carbapenem-resistant gram-negative pathogens**, Aaron Smith, Roger White

■ Safety/Quality

- 4-125** **Quality and nature of adverse drug reactions at a tertiary care obstetrics setting in Qatar: study using VIGIgrade and VIGIbase tools**, Moza Al Hail, Binny Thomas, Pallivalappila Abdulrouf, Wessam Elkassem
- 4-126** **Improving patients satisfaction with outpatient pharmacy services at tertiary care hospital in Saudi Arabia**, Ali Al-Blowi, Hala AlButi, Abdulnasser Alzahrani, Mohammad Alqarni, Adil Almalki
- 4-127** **Prescribing errors in a family medicine practice of a major hospital in Saudi Arabia**, Mohammed Aljamal
- 4-128** **Development of assessment of risk tool for safe handling of hazardous drugs**, Jeffrey Blunt, Dorothy Hancock, Anthony Kessels, Patsy Stapleton, Emma Hooks
- 4-129** **Identifying and implementing procedures for improving glycemic control**, Joseph Botticelli, Meredith M. Ve'lez-Mercado, Shawn Guillory
- 4-130** **Medication side effect counseling impact on patient satisfaction and healthcare consumer assessment of healthcare providers and systems scores: an evolving role for nurses and pharmacists**, Kevin Brandon
- 4-131** **Utilizing comprehensive, retrospective electronic medical record (EMR) audits to enhance concurrent medication use surveillance**, Jennifer Brandt, Daniel Ostrowski, Jack Lemanowicz
- 4-132** **Effectiveness of a vancomycin dosing nomogram in achieving target trough concentrations**, Ann Cabri, Katherine Thompson, Scott Shipley, Carmen Frerichs, Ryan Walters
- 4-133** **Clinical and economic burden of drug diversion in both inpatient and ambulatory healthcare settings in the US**, Charles Callahan, Kelly Larrabee, Brent Hale, Smeet Gala
- 4-134** **Evaluation of the impact of a pharmacist-driven termination protocol to limit inappropriate use of acid suppressive medications in the non-ICU setting**, Christin Campbell, Tracey Mersfelder, Kevin Kavanaugh

- 4-135 Introduction of an electronic ordering process for parenteral nutrition (PN)**, Maria Creed, Mary McKieran, Emma Baker, Laura Dillon, Ciaran Meegan
- 4-136 Medication Reconciliation: utilizing pharmacy technicians and telepharmacists improves patient care**, Christopher Dailey, Hong Lam
- 4-137 Using automation to eliminate exposure to aerosolized powders during the compounding of oral liquids**, Joe D'Silva, Karen J. Jones, Nay Win, Annie C. Schuelke, Edmund J. Elder
- 4-138 Standard work implementation for total parenteral nutrition (TPN) verification and preparation**, Ashley Duty
- 4-139 An evaluation of knowledge, attitude and practice of pharmacists towards adverse drug reactions: a questionnaire based study at Hamad Medical Corporation, Qatar**, Wessam Elkassem, Binny Thomas, Pallivalappila Abdulrouf, Anas Hamad, Moza Al Hail
- 4-140 The impact of pharmacist medication reconciliation on care transitions to a sub-acute rehabilitation (SAR) facility**, Daniel Fitzgerald, Ashmi Philips, Hinal Patel, Rani Madduri, Navin Philips
- 4-141 Evaluating the use of various insulin regimens when D50 is used in the event of severe hypoglycemia.**, Melanie Flinn, Jacqueline Pitts, Rony Alias, Thien-An Huu Nguyen
- 4-142 Evaluation of transition-of-care pharmacist contribution for patients admitted through the emergency room**, Abiy Getahun, Mark Prue, Parth Soni, Robbie Kattappuram, Sarita Tang
- 4-143 Comparison of the use, risk, and cost of insulin pens versus vials through a failure mode and effects analysis (FMEA) in a community hospital setting**, Samantha Hopton, Brooke Taylor, Emily Wells, Mary Ellen Hethcox
- 4-144 Enhancing admission medication histories on a pre-operative nursing unit**, Chelsea Jensen, Laura Myhre, Loghry Lindsey
- 4-145 Development of a quality system compliant with USP < 797> in a research hospital pharmacy**, Amber Johnson, Robert MacArthur
- 4-146 Development of an OR pharmacy visual analytics dashboard to track performance, reduce medication errors in anesthesia kits and trays, and identify opportunities for improvement**, Clayton Johnston, Kristina M. Karrick
- 4-147 Assessment of an institutional review board consent forms at the university level**, Karen Kier, Kaitlin L. Bova
- 4-148 Using quality improvement methodology to implement a pharmacist-led medicines reconciliation service**, Mariosa Kieran, Jennifer Brown, Patrick Murray, Gordon Dunne, Ciaran Meegan
- 4-149 Evaluating the accuracy of a medication reconciliation process during transition to a long-term acute care hospital (LTACH) to minimize preventable medication errors**, Helena Lee, Vernetta L. Scott, Qutina M. Lewis, Iman Ahmed, Judith Correia
- 4-150 Developing and implementing a systematic approach to hazardous drug management**, Jayne Lepage, Elizabeth Isaac
- 4-151 Does anyone have the time: feasibility of using an antimicrobial stewardship tool to aid pharmacist assessment of patients with positive urine cultures**, Andrea Logan, Julie E. Williamson, Emily K. Reinke, Steven W. Jarrett, Lisa E. Davidson
- 4-152 Evaluation of a pharmacist-optimized education and transition (POET) service at a community teaching hospital**, Kristen Longstreth, Jacqueline Frank, Janelle Rhodes, Danielle Gill, Barry Shick
- 4-153 Insulin distribution and administration process improvement at an academic medical center**, Brendan Meyer, Christopher Chapleau, Matthew Joiner, Lakeyra Palmer, Rajesh Speer
- 4-154 Implementation and evaluation of a proton pump inhibitor de-escalation program**, Andrea Nguyen, Beth Keeney, Audrey Lee
- 4-155 Medication dosing in dialysis dependent end stage kidney disease patients: a single center retrospective review**, Daryl Nnani, Timothy Nguyen, Archana Jariwala, Vijay Lapia
- 4-156 Impact of standardized infliximab dose rounding in an outpatient infusion center**, Jiyeon Park, Lauren Boutillier, GaEun Joung, Joseph Cruz, Jeffrey Nemeth
- 4-157 Development of cold chain distribution procedures for specialty medications in a health-system based specialty pharmacy**, Veranika Sasnovskaya, Christopher Oh, Nehrin Khamo, JoAnn Stubbings
- 4-158 Improving on-time medication administration by identifying and overcoming barriers**, Praharsh Shah
- 4-159 Improving time to first dose of broad spectrum antibiotics in patients with severe sepsis utilizing a pharmacy antibiotic alert**, Lucy Stephens, Karen Williams
- 4-160 Implementation of an environmental monitoring procedure and utilization of an automated robot for sterile compounding in an institutional clean room setting to increase patient safety**, Angela Turner, Bradley Litteral
- 4-161 Improving patient safety through standardization of oral chemotherapy compounding for pediatric hematology/oncology patients**, Shirley Qiong Yan, Abbie Seeger, Melissa Lee-Teh, Brian del Corral, Sherry Mathew

TUESDAY, DECEMBER 5

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■ Ambulatory Care

- 7-001 Follow-up report on the achievement of hemoglobin A1C (A1C) in low-income, uninsured diabetic patients in a community free clinic,** Ramadas Balasubramanian, S. Marie Dockery, Gracie Liem Galloway, James H. Cooke
- 7-002 Effect of clinical pharmacy services on diabetes outcomes at a federally qualified health center,** Benjamin Chavez, Emily Kosirog, Marilyn Banh
- 7-003 Effectiveness of pharmaceutical care program on the COPD management: a before and after study,** Lindemberg Costa, Charleston ribeiro, Antonio Moira Lemos, Laura Lorena Lima Yamamura, Eduardo Martins Netto
- 7-004 Assessing patient perspective regarding bedtime dosing of antihypertensive medications,** Danielle Danso, Ashley A. Anugwom, Kihara P. Couvertier, Omuwa I. Kerobo, Laura Perry
- 7-005 Reduction in concentrated insulin usage in a type 2 diabetic after initiation of SGLT-2 inhibitor,** Staci Dotson
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SPECIAL ACKNOWLEDGMENTS

ASHP would like to thank the following organizations for their assistance in planning educational sessions:

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SHUTTLE SERVICE SCHEDULE

Shuttles Operate
Saturday, December 2 to
Thursday, December 7

Estimated Wait Time:
15-20 Minutes

Service to and from the Orange County Convention Center West Concourse

	Service Begins Hotel	Last Bus Departs Hotel	Last Bus Departs Convention Center
Saturday	6:30 a.m.	5:00 p.m.	6:00 p.m.
Sunday	6:30 a.m.	5:00 p.m.	6:00 p.m.
Monday	6:30 a.m.	5:00 p.m.	6:00 p.m.
Tuesday	7:00 a.m.	5:00 p.m.	6:00 p.m.
Wednesday	7:00 a.m.	4:30 p.m.	5:30 p.m.
Thursday	8:00 a.m.	2:30 p.m.	3:30 p.m.

	Hotel	Route	Boarding Location
1	Avanti Resort	4	Walk to Courtyard Orlando-Austrian Court
2	Castle Hotel	3	Curbside on Universal Blvd at Bus Stop #G9
3	Courtyard Orlando International Drive/Convention Center	4	Curbside on Austrian Court
4	Crowne Plaza Orlando Universal	2	Curbside on Universal Blvd At Bus Stop #G7 South
5	Days Inn Convention Center/International Drive	W	Walk to OCCC West Concourse
6	DoubleTree by Hilton Orlando at SeaWorld®	6	Main Entrance Outside Porte-Cochere
7	Embassy Suites by Hilton Orlando - International Drive/Convention Ctr.	4	Curbside on I-Drive at Bus Stop #17
8	Embassy Suites by Hilton Orlando - International Drive/Jamaican Court	4	Curbside on Jamaican Court
9	Extended Stay America Convention Center/Universal Blvd	3	Walk to Springhill Suites on Universal Blvd at Fountain
10	Extended Stay America Convention Center/Westwood Blvd North	6	Walk across street to DoubleTree
11	Extended Stay America Convention Center/Westwood Blvd South	6	Walk across street to DoubleTree
12	Fairfield Inn & Suites Orlando International Drive Convention Center	3	Curbside on Universal Blvd at Bus Stop #G8
13	Hampton Inn by Hilton Orlando International Drive/Convention Center	3	Walk to Springhill Suites on Universal Blvd at Fountain
14	Hard Rock Hotel at Universal Orlando®	5	Convention Entrance Abbey Road Bus Stop

	Hotel	Route	Boarding Location
15	Hilton Garden Inn Orlando at SeaWorld®	6	Curbside on Westwood Blvd
16	Hilton Orlando	7	Tour Bus Lobby
17	Homewood Suites by Hilton Orlando Int'l Drive/Conv. Center	3	Walk to Springhill Suites on Universal Blvd at Fountain
18	Hyatt Place Orlando Convention Center	3	Walk to Springhill Suites on Universal Blvd at Fountain
19	Hyatt Regency Orlando	W	Walk to OCCC West Concourse
20	La Quinta Inn & Suites Orlando Convention Center	3	Curbside on Universal Blvd at Bus Stop #G9
21	Loews Portofino Bay Hotel at Universal Orlando®	5	Bus Lobby
22	Loews Royal Pacific Resort at Universal Orlando®	5	Walk to Loews Sapphire Falls Convention Entrance
23	Loews Sapphire Falls Resort at Universal Orlando®	5	Convention Entrance
24	Renaissance Orlando at SeaWorld®	6	North Lobby
25	Residence Inn Orlando Convention Center	3	Walk to Springhill Suites on Universal Blvd at Fountain
26	Rosen Centre Hotel	W	Walk to OCCC West Concourse
27	Rosen Inn at Pointe Orlando	4	Curbside on I-Drive at Bus Stop #18
28	Rosen Plaza Hotel	W	Walk to OCCC West Concourse
29	Rosen Shingle Creek	1	Transportation Lobby
30	Sonesta ES Suites Orlando	4	Walk to Courtyard Orlando-Austrian Court
31	Springhill Suites Orlando Convention Center/International Drive	3	Universal Blvd at Fountain
32	Wyndham Orlando Resort International Drive	2	Side of Convention Center at Circle (at Benches)



Wheelchair accessible transportation is available during hours of operation. Call toll free 866-439-8563 to schedule (allow 30 minutes).



Shuttles managed & operated by **Transportation Management Services**

The shuttle schedule is subject to change based on usage and traffic/weather conditions. Check the ASHP LIVE! app and News & Views daily for updates to the schedule.

 State Road
 Toll Road
 Interstate



Orange County Convention Center West



ORANGE COUNTY CONVENTION CENTER - NORTH/SOUTH

POINTE ORLANDO

I-DRIVE 360

RESTAURANT ROW

to Orlando International Airport

Beachline Expressway

ORLANDO INTERNATIONAL PREMIUM OUTLETS

THE FLORIDA MALL

THE MALL AT MILLENIA

439

435

482

Turkey Lake Rd.

EXIT 74A

Turkey Lake Rd.

EXIT 72

EXIT 71

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EXIT 74B

EXIT 75AB

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EXIT 1

EXIT 2

TOLL 528

EXIT 77

EXIT 78

Dr. Phillips Blvd.

Vineland Road

Major Blvd.

Conroy Rd.

Oakridge Rd.

Florida Turnpike

Kirkman Rd.

4

American Way

International Drive

Visitors Circle

Carrier Dr.

Canada Ave

Lakehurst Dr.

Sand Lake Rd.

Jamaican Court

Austrian Court

International Drive

Universal Blvd.

Austrian Row

Pointe Plaza Ave.

Convention Way

Tradeshow Blvd.

Universal Blvd.

Hawaiian Court

Destination Pkwy.

Westwood Boulevard

Sea Harbor Drive

Central Florida Parkway

Apopka-Vineland Rd

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Turkey Lake Rd.

EXIT 72

EXIT 71

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23

Use these pages during sessions with color-card audience participation.

**FUN
FACT**

In 2015,
66 million people
visited Orlando, more
than any other destination
in the world.

YES

TRUE

**FUN
FACT**

Orlando
businessman
Dr. Philip
Phillips,
once owned
5,000 acres of
citrus,
perfected
the canned
orange juice
process,
and sold his
company to
Minute Maid
in 1954 for
\$50 million.

NO

FALSE

Use these pages
during sessions
with color-card
audience
participation.

**FUN
FACT**

Walt Disney
World opened
in 1971,
5 years after
Walt Disney
died.



**FUN
FACT**

Wizarding
World of
Harry
Potter:
Hogsmeade
and Diagon
Alley is
reported to
have cost
more than
half-a-
billion
dollars.

CE Tracking Form

2017 Midyear Clinical Meeting, December 3–7, Orlando, Fla.

NOTE: To receive CE credit, you must obtain a unique Attendance Code for each session you attend. The codes are announced only during the live sessions. The staff monitors will also have this information.

Attendance Code	Session Name	Hours
■ Sunday, Dec. 3 (AM)		
■ Sunday, Dec. 3 (PM)		
■ Monday, Dec. 4 (AM)		
■ Monday, Dec. 4 (PM)		
■ Tuesday, Dec. 5 (AM)		
■ Tuesday, Dec. 5 (PM)		
■ Wednesday, Dec. 6 (AM)		
■ Wednesday, Dec. 6 (PM)		
■ Thursday, Dec. 7		