

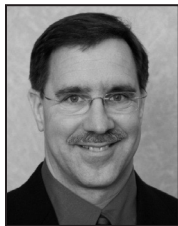
2016 ACCP  
**ANNUAL MEETING GUIDE**



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## Welcome to the ACCP Annual Meeting!



**Terry Seaton**  
**ACCP President**

On behalf of the Board of Regents, I wish to extend you a warm welcome to the 2016 ACCP Annual Meeting. We sincerely hope that this will be an outstanding ACCP meeting for you and that you will discover content and activities of value to your practice and patients.

For the Annual Meeting, our Program Committee has developed a variety of programming developed for our attendees. Specific topics include Advancements in Immunotherapy, Clinical Controversies, Preceptor Development, Pharmacogenomics, Transitional Care Management, the Affordable Care Act, and much more. We anticipate that this spectrum of topics will offer something for each attendee. Many of our Practice and Research Networks (PRNs) have also

developed educational programming for this meeting. PRN programming provides focused and in-depth content related to the specialized interests and needs of members aligned with a specialty practice area. Cutting-edge research is shared during contributed platform and poster presentations. This is an ideal way to learn about exciting new developments and discoveries while recognizing and supporting the scholarly work of your colleagues.

I encourage you to take advantage of the many networking opportunities during the meeting, including the Opening Reception and the PRN business meetings and networking forums. As always, the Annual Meeting provides great opportunities to meet with colleagues and friends, exchange ideas to improve your practice and research, and have some fun. I also encourage you to seek out and interact with the increasing number of students and residents who attend ACCP meetings. Engaging students in the College is very important to ACCP, and we hope you will take some time to welcome tomorrow's clinical pharmacists to the organization. To see some of our leading student members in action, don't miss the final round of the ACCP Clinical Pharmacy Challenge! Beginning at 11:00 a.m. on Monday, October 24, immediately after the morning educational sessions, this round will feature a competition between the student teams from the two finalist schools.

I would like to recognize the many contributions of our volunteers and staff in preparing for the Annual Meeting. I especially want to thank members of the 2016 Annual Meeting Program Committee and the PRNs directly responsible for the content and quality of this meeting. As a member-driven organization, ACCP provides meetings that reflect what members ask for and help design. With the assistance of our dedicated and talented staff, these programs become a reality. I look forward to enjoying another great ACCP Annual Meeting with you.

***Terry Seaton Pharm.D., FCCP, BCPS***  
***ACCP President***



## Welcome from the ACCP Staff

The College's staff has been working with members of the 2016 ACCP Annual Meeting Program Committee, PRN leaders, and other ACCP members for more than a year to make the 2016 ACCP Annual Meeting a reality. ACCP is committed to maintaining its member-driven identity. Consistent with this commitment, the Annual Meeting demonstrates how the creativity and efforts of a diverse group of ACCP members can come together to create high-quality opportunities for networking and professional development.



**Mike Maddux,**  
**Executive Director**

Many ACCP staff members are here in Hollywood and look forward to meeting and assisting you during this busy week. Please make a point of stopping by the ACCP Registration Desk and the ACCP Bookstore to let us know how we can best meet your professional needs. Find out how easy it is to be an important part of ACCP's advocacy efforts as we work on your behalf in Washington. Learn about our current efforts to expand specialist certification; the ACCP Research Institute's Practice-Based Research Network and investigator development programs; new initiatives from *Pharmacotherapy*, ACCP's official journal; and the development of the College's 2017 Strategic Plan.

In addition to the many educational, scientific, and networking activities available this week, the 2016 Annual Meeting will offer an opportunity for all interested individuals to provide valuable input on the College's direction during the Annual Business Meeting and Town Hall on Sunday from 2:30 p.m. to 4:15 p.m. This year's Business Meeting will include an announcement of the 2017 slate of candidates for ACCP office; reports from *Pharmacotherapy*, the ACCP Research Institute, and ACCP's PAC; and an update on the College's government affairs activities. The Town Hall will feature a discussion of emerging issues critical to the College's strategic plan. Following the Business Meeting and Town Hall, be sure to catch the semifinals of the ACCP Clinical Pharmacy Challenge, pitting against one another the student teams from the four semifinalist schools. Then, at 11:00 a.m. on Monday, attend the final round of the Challenge, when the student teams from the two finalist schools will face off.

One of the most important factors in ACCP's success throughout its history has been its unique ability to remain responsive to member needs and direction—without your input and contributions, the College would be unable to accomplish its mission of advancing clinical pharmacy and improving the health outcomes of the patients we serve.

Welcome to Hollywood!

**Michael S. Maddux, Pharm.D., FCCP**  
**ACCP Executive Director**

## General Information

**Location:** 2016 ACCP Annual Meeting activities will be held in the Diplomat Resort & Spa.

**Registration Desk:** The ACCP Registration Desk will be open in the Great Hall Foyer of the Diplomat Resort & Spa during the following hours:

Saturday, October 22	2:00 p.m. – 7:00 p.m.
Sunday, October 23	6:30 a.m. – 6:00 p.m.
Monday, October 24	7:00 a.m. – 6:00 p.m.
Tuesday, October 25	7:00 a.m. – 6:00 p.m.
Wednesday, October 26	7:00 a.m. – 12:00 p.m.

**Premeeting Registration:** The ACCP Premeeting Registration Desk will be open in Great Hall Foyer on the following day during the following hours:

Saturday, October 22	7:00 a.m. – 1:00 p.m.
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**ACCP Bookstore:** Stop by the ACCP Bookstore, near the ACCP Registration Desk, for the newest publications and special member items. The ACCP Bookstore will be open during registration hours.

**Cyber Café:** This popular attraction, located near the ACCP Registration Desk, provides meeting attendees access to computer stations, where they can download meeting materials and check their e-mail. The Cyber Café will be open during registration hours.

**Ad Hoc Meeting and Speaker Ready Room:** Meeting Room 202 is available as an ad hoc meeting and speaker ready room. A reservation is required for the use of this room. Please sign up at the ACCP Registration Help Desk.

**Meditation and Prayer Room:** Meeting Room 201 is available as a meditation and prayer room. Reservations are NOT required for the use of this room.

**Nursing Mother's Room:** Please visit the ACCP Registration Desk for information.

**Platform Presenters:** Speakers are reminded that each platform presentation has a specific time allotment. Moderators will keep strict time limits. Each presenter should report to the meeting room 30 minutes before the entire platform session begins and will be responsible for loading his or her own slide file onto the laptops provided. Presenters should examine the final printed program to verify room and time assignments.

**Poster Presenters:** Poster presenters may mount their posters in Grand Ballroom East beginning 1 hour before the poster session, and they should report to Grand Ballroom East no later than 15 minutes before their poster session starts. All poster boards are assigned a number corresponding to the abstract number listed in the Meeting Guide. Presenters should take special care to mount their posters on the correct boards. Posters must be removed at the end of the poster session. Best Poster finalist posters will be on display Sunday afternoon and be designated by finalist ribbons.

**Student and Resident Reception:** Student and resident registrants are invited to enjoy light refreshments and meet the ACCP officers, chairs of committees, and officers of PRNs (ACCP's Practice and Research Networks) at the Student and Resident Reception. Take this opportunity on Saturday, October 22, 7:00 p.m. – 8:00 p.m., in Great Hall 3 to provide input regarding College activities and programs and to learn how to get involved.

**Invitation to Join ACCP:** Membership applications are available at the ACCP Registration Desk. Join now so that you will not miss any benefits of membership.

**Committee Meetings:** ACCP committees will meet on Sunday, October 23, from noon to 2:00 p.m. in the Diplomat Ballroom. Each committee will have a designated table.

**Accompanying Persons:** Adult traveling companions are welcome to attend the Opening General Session, the Opening Reception, the Poster and Paper Presentations, the Business Meeting and Town Hall, and the award presentations through the special guest registration. Continuing pharmacy education (CPE) credit is not available to any guest. If you have not done so in advance of the meeting, be sure to register your companions for this event at the ACCP Registration Desk.

**ACCP Residency and Fellowship Forum:** The ACCP Residency and Fellowship Forum sessions are described on page 8 of the Meeting Guide. The Residency and Fellowship Forums will take place on Sunday, October 23, at 8:00 a.m. – 9:30 a.m. and 10:00 a.m. – 11:30 a.m. in Grand Ballroom West.

**Photo Release:** By registering for the ACCP Annual Meeting or its associated events, you have provided your release for free use by ACCP for promotional purposes of any photographs taken of you, or in which you may be seen, during the meeting.

**Speakers' Handouts:** Provision of copies of speakers' handouts is a special feature of ACCP meetings. All Annual Meeting speakers have been requested to provide a concise handout; however, not all have chosen to do so. Others have modified their presentation to include breaking information not available at production time. All meeting registrants will receive online access to PDFs of the Annual Meeting course syllabi and the printed Meeting Guide book.

**CPE Credit and Meeting Evaluation:** To obtain your continuing pharmacy education (CPE) credit and evaluate the meeting, please visit [www.accp.com/cpe](http://www.accp.com/cpe), sign in, complete the relevant activity evaluation, and claim your CPE by November 30, 2016. Statements of credit will be available through the CPE Monitor 2–3 days after the credit has been claimed. International attendees may print their statement of credit at [www.accp.com/cpe](http://www.accp.com/cpe). Note: ACCP cannot issue credit for any participant who does not have a valid NABP e-Profile ID or Date of Birth (DOB) on file at [www.accp.com](http://www.accp.com).

**Message Board:** A message board is located near the ACCP Registration Desk.

**Cellular Phones and Pagers:** Out of courtesy to others, please silence all cellular phones and pagers before entering a session room.

**Notice Regarding Intellectual Property:** The contents of this book, any oral remarks made by any presenter, and any handouts distributed on-site or via ACCP's website are the intellectual property of the American College of Clinical Pharmacy and its presenters. No sessions or materials may be recorded, reproduced, stored in a retrieval system, transmitted, or transcribed, in any form or by any means, electronic or mechanical, including photocopy, without the express written permission of the American College of Clinical Pharmacy and its presenters.

## PRN Business Meetings and Networking Forums

ACCP's Practice and Research Networks (PRNs) provide a focal point for clinical pharmacists with common interests and needs in practice, research, and education. PRN members help ACCP develop educational programs and promote the activities of the PRNs. Space has been reserved for these PRN activities, and all meeting attendees are encouraged to attend a PRN business meeting. All PRN business meetings and networking forums will be held in the Diplomat Resort & Spa.

<b>Monday, October 24</b>		<b>Room</b>
Adult Medicine.....	6:00 p.m.	Great Hall 6
Cardiology.....	6:00 p.m.	Great Hall 5
Critical Care.....	6:00 p.m.	Great Hall 4
Drug Information.....	6:00 p.m.	Room 305
Education and Training.....	6:00 p.m.	Great Halls 1 & 2
Emergency Medicine.....	6:00 p.m.	Regency Ballroom 2
Endocrine and Metabolism.....	6:00 p.m.	Regency Ballroom 1
Geriatrics.....	6:00 p.m.	Room 303
Nephrology.....	6:00 p.m.	Room 314
Pain and Palliative Care.....	6:00 p.m.	Room 301
Pediatrics.....	6:00 p.m.	Room 307
Perioperative Care.....	6:00 p.m.	Room 313
Pharmaceutical Industry.....	6:00 p.m.	Room 312
<b>Tuesday, October 25</b>		<b>Room</b>
Ambulatory Care.....	6:00 p.m.	Great Hall 4
Central Nervous System.....	6:00 p.m.	Room 307
Clinical Administration.....	6:00 p.m.	Room 312
GI/Liver/Nutrition.....	6:00 p.m.	Room 303
Global Health.....	6:00 p.m.	Great Hall 6
Health Outcomes.....	6:00 p.m.	Room 305
Hematology/Oncology.....	6:00 p.m.	Diplomat Ballrooms 1 & 2
HIV.....	6:00 p.m.	Room 313
Immunology/Transplantation.....	6:00 p.m.	Regency Ballroom 2
Infectious Diseases.....	6:00 p.m.	Great Hall 5
Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics.....	6:00 p.m.	Room 314
Women's Health.....	6:00 p.m.	Room 301

# ACCP's Career Development Center

[www.accp.com/careers](http://www.accp.com/careers)

Your source for affordable and effective recruiting!

## Online Position Listings

ACCP's Online Position Listings is an online recruitment resource that allows full and associate members to list their available positions for only \$175 per position. Residency and fellowship positions can be listed for only \$75 per position. Your listings will be viewed by members and nonmembers alike who visit the ACCP website in pursuit of professional opportunities. For an additional \$50, recruiters can target practitioners in a specific specialty area by having their position e-mailed to a specific, difficult-to-reach audience.

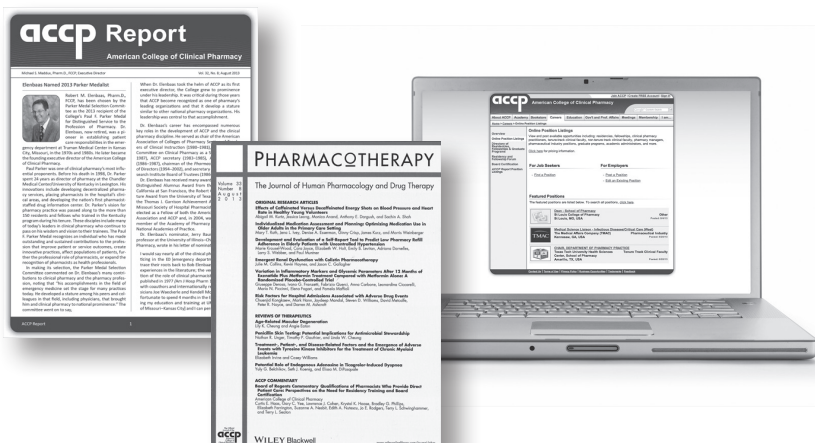
Increase your visibility further by featuring your job on the Online Position Listings homepage. Your featured job listing will be seen by thousands of people visiting the ACCP Online Position Listings homepage—the second most visited page on our website!

## ACCP Report

Posting a job listing in the *ACCP Report* means high visibility. The *ACCP Report*, the College's monthly e-newsletter, is seen by thousands of members engaged in every aspect of clinical pharmacy. Include your institution's logo for even greater recognition. For logo specifications, visit [www.accp.com/careers](http://www.accp.com/careers).

## Pharmacotherapy

ACCP's journal offers many options for advertising your available career opportunities. To find the option suitable for you, including rates and mechanical specifications, contact [vmarvin@cunnasso.com](mailto:vmarvin@cunnasso.com).



## ACCP Residency and Fellowship Forum

[www.accp.com/forum16](http://www.accp.com/forum16)

**Sunday, October 23**

**Residency and Fellowship Forum, I: 8:00 a.m. – 9:30 a.m.**

**Residency and Fellowship Forum, II: 10:00 a.m. – 11:30 a.m.**

**Diplomat Resort & Spa: Grand Ballroom West**

Searching for a residency or fellowship position? Stop by the Residency and Fellowship Forum to participate in any of the two forum sessions on Sunday, October 23. This event will offer prospective clinical pharmacists who are just beginning their careers a chance to jump-start their search for a residency or fellowship position. Opportunities for PGY1 and PGY2 residency positions and fellowships will be on display at this event. Take advantage of this early opportunity to meet with residency and fellowship preceptors face to face. Why put off the first step in securing your next step in training? Plan now to attend the ACCP Residency and Fellowship Forum beginning Sunday morning.

*Stop by the Cyber Café to view the latest residency and fellowship listings posted online! Visit [www.accp.com/forum16](http://www.accp.com/forum16) for more details on this event.*





The ACCP Academy is a continuous educational effort designed to deliver a flexible, curricular approach to enhancing ACCP members' abilities in their major areas of responsibility. The ACCP Academy provides three unique professional development programs leading to certificates of completion in:

### **Leadership and Management**

The Leadership and Management Certificate Program is an educational program aimed at developing leadership and management abilities. The program is designed to enable participants to better lead their own lives and to guide and inspire their associates in the workplace. This enhanced ability will enable pharmacy leaders to better create the changes necessary to advance pharmacy's mission within the health care system. The Leadership Primer is offered every year as part of the ACCP Annual Meeting Premeeting Symposia.

### **Research and Scholarship**

The Research and Scholarship Certificate Program is designed to develop the research skills of clinical pharmacists to advance the profession of pharmacy. The program integrates research theory with practical applications while involving the participant in scholarly work early in the curriculum. Participants will be challenged to explore individual professional research and scholarly activity goals in order to make the experience as relevant as possible within their respective professional contexts. The prerequisite course, Research Primer, is offered every year as part of the ACCP Annual Meeting Premeeting Symposia.

### **Teaching and Learning**

The Teaching and Learning Certificate Program is an effort to assist in the recruitment, motivation, and preparation of clinical educators who can inspire students to advance the profession of pharmacy. The program offers live, interactive workshops that focus on clinical education in both the didactic and the experiential setting, provide a systematic/foundational core of educational principles and practices, and incorporate opportunities for self-assessment, peer assessment, and feedback from a mentor. The prerequisite course, Teaching and Learning Primer, is offered every year as part of the ACCP Annual Meeting Premeeting Symposia.

#### ***Enroll Today***

*Take advantage of these valuable professional development programs by enrolling in the ACCP Academy. Visit [www.accp.com/academy](http://www.accp.com/academy) to learn more about each ACCP Academy certificate program and to complete an online application for the certificate program that best suits your professional development needs.*

## **Board Certification: ACCP Professional Development Programs**

The American College of Clinical Pharmacy offers preparatory review courses and professional development recertification programs for five specialties recognized by the Board of Pharmacy Specialties (BPS): Ambulatory Care Pharmacy, Critical Care Pharmacy (in conjunction with the Society of Critical Care Medicine), Oncology Pharmacy (in conjunction with the American Society of Health-System Pharmacists), Pediatric Pharmacy, and Pharmacotherapy.

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### **Ambulatory Care Pharmacy**

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Preparatory Review Course	Ambulatory Care Pharmacy Preparatory Review and Recertification Course
Recertification Program	<p>The BPS-approved Ambulatory Care Pharmacy Recertification Program encompasses the following six components:</p> <ul style="list-style-type: none"><li>• Ambulatory Care Self-Assessment Program (ACSAP 2016–2018)</li><li>• Ambulatory Care Pharmacy Preparatory Review and Recertification Course</li><li>• Ambulatory Care Pharmacy Practice Management and Patient Advocacy Webinar Series (starting in 2017)</li><li>• Ambulatory Care Pharmacy Updates Plus Webinar</li><li>• From Theory to Practice: Clinical Reasoning Series in Ambulatory Care Pharmacy</li><li>• Fundamentals of Biostatistics and Trial Design Workshop</li></ul>

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### **Critical Care Pharmacy**

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Preparatory Review Course	Critical Care Pharmacy Preparatory Review and Recertification Course
Recertification Program	<p>The BPS-approved Critical Care Pharmacy Recertification Program encompasses the following four components:</p> <ul style="list-style-type: none"><li>• Critical Care Self-Assessment Program (CCSAP 2016–2018)</li><li>• Critical Care Pharmacy Preparatory Review and Recertification Course</li><li>• Critical Care Pharmacy Updates Plus Webinar</li><li>• From Theory to Practice: Clinical Reasoning Series in Critical Care Pharmacy</li><li>• Fundamentals of Biostatistics and Trial Design Workshop</li></ul>

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### **Oncology Pharmacy**

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Preparatory Review Course	The Oncology Pharmacy Preparatory Review and Recertification Course
Recertification Program	<p>The BPS-approved Oncology Pharmacy Recertification Program encompasses the following four components:</p> <ul style="list-style-type: none"> <li>• Oncology Pharmacy Preparatory Review and Recertification Course</li> <li>• Oncology Pharmacy Home Study Syllabus</li> <li>• Oncology Pharmacy Webinar Series</li> <li>• BCOP Clinical Sessions</li> </ul>

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### **Pediatric Pharmacy**

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Preparatory Review Course	Pediatric Pharmacy Preparatory Review and Recertification Course
Recertification Program	<p>The BPS-approved Pediatric Pharmacy Recertification Program encompasses the following five components:</p> <ul style="list-style-type: none"> <li>• Pediatric Pharmacy Self-Assessment Program (PedSAP 2016–2018)</li> <li>• Pediatric Pharmacy Preparatory Review and Recertification Course</li> <li>• Pediatric Pharmacy Updates Plus Webinar</li> <li>• From Theory to Practice: Clinical Reasoning Series in Pediatric Pharmacy</li> <li>• Fundamentals of Biostatistics and Trial Design Workshop</li> </ul>

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### **Pharmacotherapy**

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Preparatory Review Course	Pharmacotherapy Preparatory Review and Recertification Course
Recertification Program	<p>The BPS-approved Pharmacotherapy Recertification Program encompasses the following five components:</p> <ul style="list-style-type: none"> <li>• Pharmacotherapy Self-Assessment Program (PSAP 2016–2018)</li> <li>• Pharmacotherapy Preparatory Review and Recertification Course</li> <li>• Pharmacotherapy Updates Plus Webinar</li> <li>• From Theory to Practice: Clinical Reasoning Series in Pharmacotherapy</li> <li>• Fundamentals of Biostatistics and Trial Design Workshop</li> </ul>

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For more information on any of these programs, visit [www.accp.com/careers/certification.aspx](http://www.accp.com/careers/certification.aspx).



**Annual Business and Town Hall Meeting**

**Sunday, October 23**  
**2:30 p.m. – 4:15 p.m.**  
**Great Halls 1 & 2**

*All Annual Meeting attendees are encouraged to participate.*

**Business Meeting**

2:30 p.m. – 3:15 p.m.

President’s Report and Remarks .....	Terry Seaton
Treasurer’s Report .....	Brian Erstad
Nominations Committee Report .....	Miranda Andrus
Government and Professional Affairs Report .....	C. Edwin Webb
ACCP-PAC Report .....	John McGlew
<i>Pharmacotherapy</i> Report Editor-in-Chief Report .....	C. Lindsay DeVane
ACCP Research Institute Report .....	Sheldon Holstad

**Town Hall**

3:15 p.m. – 4:15 p.m.

**Convener: Terry Seaton, ACCP President**

- I. Critical Issues for Clinical Pharmacy and the 2017 ACCP Strategic Plan
- II. Open Discussion
- III. Adjourn – Semifinal rounds of the *ACCP Clinical Pharmacy Challenge* follow at 4:30 p.m.

**Please attend to share your opinions with ACCP’s leadership.**

## **ACCP Advocacy, Health Policy and Interprofessional Affairs: Expanding and Integrating ACCP's Washington Activities**

**Monday, October 24, 2016**

**9:15 a.m. – 11:15 a.m.**

**Regency Ballroom 2**

Learn how the expansion of ACCP's Government and Professional Affairs staff and our enhanced capabilities in Washington contribute directly to ACCP's commitment to practice transformation and the College's longer-term strategic goals.

Hear the latest from Capitol Hill and the outlook for the November elections, as they relate to our broader advocacy agenda in the 115th Congress. Find out how you can get involved through grassroots advocacy and the ACCP-PAC to help advance our initiatives in Congress.

For more information, contact John McGlew at (202) 621-1820 or [jmcglew@accp.com](mailto:jmcglew@accp.com).





## Research Institute & *Pharmacotherapy* Open House

**Tuesday, October 25**  
**8:00 a.m. – 10:00 a.m.**  
**Great Hall 5**

Please join us for an Open House to learn how to get more involved with the ACCP Research Institute (RI) or *Pharmacotherapy*, the official journal of ACCP.

During the first hour, we will feature presentations from individuals who will share with you their personal testimonials on collaborating as part of the ACCP Practice-Based Research Network (PBRN). During the remainder of the Open House, you will have the opportunity to speak directly with board members and advisory panel members from the RI and *Pharmacotherapy*, specifically about:

1. Developing manuscripts of interest
2. Serving as a *Pharmacotherapy* reviewer
3. Becoming a *Pharmacotherapy* editorial board member
4. Bringing your questions and asking the editor
5. Serving as a reviewer for contributed scientific abstracts
6. Participating in Researcher Development: Focused Investigator Training (FIT), Mentored Research Investigator Training (MeRIT), & ACCP Academy Research and Scholarship Certificate
7. Obtaining research funding available through the RI Student/Resident and Junior Investigator Futures Grants
8. Engaging in the ACCP Practice-Based Research Network (PBRN) as a clinician or researcher
9. Experiencing PBRN collaborations and research development and discussing future opportunities

### Handouts/Information Available for Pickup:

- Promotional flyer for Tuesday morning and afternoon sessions: The Fundamentals of Providing Excellent Manuscript Peer Reviews and Reviewing Abstracts with Excellence
- Editorial Board member description
- Scientific Editor description
- Call for papers
- Investigator training brochures
- Futures Grants information
- Abstract Reviewer information

## ACCP Clinical Pharmacy Challenge: Live Round Competition

**October 22–24  
Great Halls 1 & 2**



The Clinical Pharmacy Challenge, ACCP's unique pharmacy student team competition, continues to grow, drawing participation from institutions across the country. The online competition, which concluded September 16, gave 111 teams the opportunity to compete in up to four rounds of competition in which they answered items in each of the competition's distinct segments:

- Trivia/Lightning
- Clinical Case
- Jeopardy-style

The item content used in each segment was developed and reviewed by an expert panel of clinical pharmacy practitioners and educators. The 2016 ACCP Clinical Pharmacy Challenge Item-Author Panel was led this year by its chair, Andrew Smith, Pharm.D., BCPS. From the initial field of teams, eight schools will advance to compete here in the live round competition in Hollywood, Florida, October 22–24. Each team member advancing to the quarterfinal round receives a complimentary student full-meeting registrations, an ACCP gift certificate for \$125, and a certificate of recognition. Quarterfinalist teams will be vying for a spot in the final round for a chance to win up to \$1500 and the title of Clinical Pharmacy Challenge Champion.

### Past winners of the Clinical Pharmacy Challenge are:

- 2010 – University of Minnesota College of Pharmacy
- 2011 – Campbell University College of Pharmacy and Health Sciences
- 2012 – Northeastern University Bouvé College of Health Sciences School of Pharmacy
- 2013 – East Tennessee State University Bill Gatton College of Pharmacy
- 2014 – Purdue University College of Pharmacy
- 2015 – University of Minnesota College of Pharmacy

Who will be crowned the 2016 Clinical Pharmacy Challenge Champion? Join us during each of the live round sessions below to find out.

### 2016 ACCP Clinical Pharmacy Challenge Schedule

Be sure to stop by the ACCP Registration Desk to view the Clinical Pharmacy Challenge Competition Bracket for information on which teams have advanced through each round of competition. All rounds of the competition will be held in Great Halls 1 & 2.

#### Saturday, October 22

9:00 a.m. – 9:30 a.m.	Quarterfinal A	Purdue University College of Pharmacy	vs.	Southern Illinois University Edwardsville School of Pharmacy
9:45 a.m.–10:15 a.m.	Quarterfinal B	University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences	vs.	University of the Sciences Philadelphia College of Pharmacy

10:30 a.m.–11:00 a.m.	Quarterfinal C	University of Rhode Island College of Pharmacy	vs.	East Tennessee State University Bill Gatton College of Pharmacy
11:15 a.m.–11:45 a.m.	Quarterfinal D	Union University School of Pharmacy	vs.	Oregon State University College of Pharmacy

### Sunday, October 23

4:30 p.m.–5:00 p.m.	Semifinal A	Winner Quarterfinal A	vs.	Winner Quarterfinal D
5:15 p.m.–5:45 p.m.	Semifinal B	Winner Quarterfinal B	vs.	Winner Quarterfinal C

### Monday, October 24

11:00 a.m.–11:30 a.m.	Final Round	Winner Semifinal A	vs.	Winner Semifinal B
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To obtain more information on the Challenge or to view a listing of the teams that participated and progressed through each of the four online rounds, please visit our website at [www.accp.com/stunet/index.aspx](http://www.accp.com/stunet/index.aspx).



## ACCP Clinical Research Challenge – Winning Teams to Present Posters at Annual Meeting



Competition in the inaugural ACCP Clinical Research Challenge (CRC) began February 8, when 78 student teams competed in round 1: Online Journal Club. Teams achieving the top 20 scores in round 1 advanced to round 2: Research Protocol Development, where they were tasked with developing a research proposal designed to demonstrate the value of clinical pharmacy services in an area of cardiology.

The proposals were first reviewed by the CRC Review Panel. The top one-third of these submissions were sent to the CRC Oversight Panel for evaluation and selection of awards. Please join ACCP in congratulating the finalist teams and award winners.

### **ACCP Clinical Research Challenge Finalist Teams:**

Midwestern University College of Pharmacy – Glendale  
 Oregon State University College of Pharmacy  
 Thomas Jefferson University Jefferson College of Pharmacy  
 University of Arizona College of Pharmacy  
 University of Hawaii at Hilo College of Pharmacy  
 University of Minnesota College of Pharmacy  
 University of Pittsburgh College of Pharmacy

#### **Championship Team: Oregon State University College of Pharmacy**

Proposal Title: Pharmacists Supporting Healthy Hearts.  
 Student Team Members: Peter Atkins, Katie LaRue, Julia Zhukov  
 Faculty Liaison: Adriane Irwin, Pharm.D.

#### **Second-Place Team: University of Arizona College of Pharmacy**

Proposal Title: Impact of Continuity of Care Clinical Pharmacy Services (C3 PS) on Heart Failure Readmission: A Pilot, Prospective, Randomized, Controlled Study.  
 Student Team Members: Joseph Murata, Farah Raheem, Kelvin Tran  
 Faculty Liaison: Hanna Phan, Pharm.D., BCPS

#### **Third-Place Team: Thomas Jefferson University Jefferson College of Pharmacy**

Proposal Title: Impact of Clinic- and Home-Based Pharmacist-Led Interventions on 30-Day Readmission and Mortality Rates in STEMI and NSTEMI.  
 Student Team Members: Maura Harkin, Timothy Jacisin, Jillian Olmstead  
 Faculty Liaison: Cynthia Sanoski, Pharm.D., FCCP, BCPS

These three teams have been invited to present their research design during the Scientific Poster Sessions at the 2016 ACCP Annual Meeting in Hollywood, Florida. Please stop by to view their proposal designs and meet the winning teams. The following teams will be present at the session times below.

#### **Scientific Poster Presentations, I**

Grand Ballroom East  
 Sunday, October 23; 1:00 p.m. – 2:30 p.m.  
 • Oregon State University College of Pharmacy  
 • University of Arizona College of Pharmacy



### **Scientific Poster Presentations, II**

Grand Ballroom East

Sunday, October 23; 3:30 p.m. – 5:00 p.m.

- Oregon State University College of Pharmacy
- Thomas Jefferson University Jefferson College of Pharmacy
- University of Arizona College of Pharmacy

### **Scientific Poster Presentations, III and Lunch**

Grand Ballroom East

Monday, October 24; 11:30 a.m. – 1:15 p.m.

- Oregon State University College of Pharmacy
- Thomas Jefferson University Jefferson College of Pharmacy
- University of Arizona College of Pharmacy

### **Scientific Poster Presentations, IV and Breakfast**

Grand Ballroom East

Tuesday, October 25; 8:00 a.m. – 10:00 a.m.

- Oregon State University





## Continuing Pharmacy Education Credit



The American College of Clinical Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education (CPE). The 2016 ACCP Annual Meeting will provide up to 21.0 contact hours of live CPE credit. Up to 8.0 additional contact hours of live CPE credit are possible through participation in premeeting symposia.

### Target Audience

The ACCP Annual Meeting is designed for clinical practitioners, educators, residents, fellows, and pharmacy students engaged in all aspects of clinical pharmacy.

### Program Goals

The educational program developed for the ACCP Annual Meeting provides attendees with new, high-quality information that is both challenging and applicable to their practice. Program goals are to:

- Update clinical pharmacists on new therapeutic advances and management strategies;
- Enhance attendees' clinical, research, teaching, and leadership skills;
- Discuss the challenges of expanding the scope of pharmacy practice and emerging practice models; and
- Present opportunities in clinical pharmacy and global health.

### Claiming CPE Credit

To obtain your live CPE credit and evaluate the meeting, please visit [www.accp.com/ce](http://www.accp.com/ce), sign in, complete the relevant activity evaluation, and claim your CPE by November 30, 2016. Statements of credit will be available through the CPE Monitor within 2–3 business days of claiming credit. ACCP cannot issue CPE credit to participants who do not claim their CPE credit by the November 30, 2016 deadline. Partial credit is not available.

To receive BCPS, BCACP, BCCCP, or BCPPS recertification credit for a Clinical Reasoning Series session, each attendee must pay a separate registration fee for the Clinical Reasoning Series session and submit a passing score on a posttest no later than November 30, 2016. The posttest will be made available on the My Account page of [ACCP.com](http://ACCP.com) by November 1, 2016.



## Premeeting Symposia

(separate registration required)

### **Saturday**

#### **Leadership Primer, I**

October 22, 2016

Activity No. 0217-0000-16-156-L04-P; 4.0 contact hours.

Application-Based Activity

#### **Research Primer**

October 22, 2016

Activity No. 0217-0000-15-153-L04-P; 4.0 contact hours.

Application-Based Activity

#### **2016 From Theory to Practice: Clinical Reasoning Series in Pharmacotherapy *Updates in Challenging Infectious Diseases***

October 22, 2016

Activity No. 0217-0000-16-109-L01-P; 6.0 contact hours.

Application-Based Activity

#### **2016 From Theory to Practice: Clinical Reasoning Series in Pediatric Pharmacy *The ABC's of Pediatric Epilepsy: From Status Epilepticus to Long-term Seizure Management***

October 22, 2016

Activity No. 0217-0000-16-150-L01-P; 6.0 contact hours.

Application-Based Activity

#### **2016 From Theory to Practice: Clinical Reasoning Series in Critical Care Pharmacy *Management of Patients with Circulatory Shock***

October 22, 2016

Activity No. 0217-0000-16-110-L01-P; 6.0 contact hours.

Application-Based Activity

#### **2016 From Theory to Practice: Clinical Reasoning Series in Ambulatory Care *Hepatitis C: The Newest Strategies for Management and Treatment***

October 22, 2016

Activity No. 0217-0000-16-111-L01-P; 6.0 contact hours.

Application-Based Activity

#### **Teaching and Learning Primer**

October 22, 2016

Activity No. 0217-0000-16-157-L04-P; 4.0 contact hours.

Application-Based Activity

#### **Developing a Personal Strategic Plan**

October 22, 2016

Activity No. 0217-0000-16-152-L04-P; 1.0 contact hour.

Application-Based Activity

#### **Research Basics**

October 22, 2016

Activity No. 0217-0000-15-154-L04-P; 4.0 contact hours.

Application-Based Activity

**Taking a Scholarly Approach to Your Clinical Practice**

October 22, 2016

Activity No. 0217-0000-16-153-L04-P; 1.0 contact hour.

Knowledge-Based Activity

**Facilitating Your Own Professional Development**

October 22, 2016

Activity No. 0217-0000-16-154-L04-P; 1.25 contact hours.

Knowledge-Based Activity

## **ACCP Annual Meeting**

### **Sunday**

**Keynote Address: Patient- and Family-Centered Health Care: What It REALLY Is and Why It REALLY Matters!**

October 23, 2016

Activity No. 0217-0000-16-112-L04-P; 0.75 contact hours.

Knowledge-Based Activity

**New Investigator Award/Lecture—Drug Carriers in Cancer: Have Liposomes “Delivered” Their Promises?**

October 23, 2016

Activity No. 0217-0000-16-186-L04-P; 0.25 contact hours.

Knowledge-Based Activity

**Therapeutic Frontiers Lecture—Antimicrobial Combination Therapy for Life-Threatening Bacterial Infections; A Bedside to Bench Approach**

October 23, 2016

Activity No. 0217-0000-16-179-L01-P; 0.5 contact hours.

Knowledge-Based Activity

**Conducting Practice-Based Research to Improve Patient Care**

October 23, 2016

Activity No. 0217-0000-16-113-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Speaking the Language of the C-Suite—How to Justify Clinical Pharmacy Services to Administrators and Consultants**

October 23, 2016

Activity No. 0217-0000-16-114-L04-P; 1.5 contact hours.

Knowledge-Based Activity

### **Monday**

**Challenging Disease States—An Update on Management from the Provider and Patient Perspective**

October 24, 2016

Activity No. 0217-0000-16-117-L01-P; 1.5 contact hours.

Application-Based Activity

**Expanding Pharmacy Impact: Transitional Care Management and Chronic Care Management**

October 24, 2016

Activity No. 0217-0000-16-118-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Hyperlipidemia and COPD: 2 Old Problems with New Therapies and Goals**

October 24, 2016

Activity No. 0217-0000-16-116-L01-P; 1.5 contact hours.

Application-Based Activity

**Preceptor Development: Training for Transition to Practice**

October 24, 2016

Activity No. 0217-0000-16-115-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Implementation Science: Application to CMM**

October 24, 2016

Activity No. 0217-0000-16-195-L04-P; 2.0 contact hours.

Knowledge-Based Activity

**Leadership Primer, II**

October 24, 2016

Activity No. 0217-0000-14-139-L04-P; 2.0 contact hours.

Application-Based Activity

**Wikipedia—Learning Locally While Contributing Globally**

October 24, 2016

Activity No. 0217-0000-16-185-L04-P; 2.0 contact hours.

Application-Based Activity

**Adult Medicine PRN Focus Session—An Update to the Management of Acute Bacterial Skin and Skin Structure Infections: What Is the Utility of the New Agents?**

October 24, 2016

Activity No. 0217-0000-16-120-L01-P; 1.5 contact hours.

Application-Based Activity

**Central Nervous System PRN and Women's Health PRN Focus Session—Special Topics in the Treatment of Depressive Disorders in Women of Reproductive Age**

October 24, 2016

Activity No. 0217-0000-16-124-L01-P; 1.5 contact hours.

Application-Based Activity

**Clinical Administration PRN—Integrating an Established Performance Improvement (PI) Method for Implementing Change**

October 24, 2016

Activity No. 0217-0000-16-121-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Education and Training PRN—Integrating Interprofessional Education into Practice**

October 24, 2016

Activity No. 0217-0000-16-122-L04-P; 1.5 contact hours.

Application-Based Activity

**Global Health PRN Focus Session—Underserved Populations in Developed and Underdeveloped Countries: Global Lessons for Pharmacists to Improve Access to Care and Essential Medicines**

October 24, 2016

Activity No. 0217-0000-16-123-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN and Hematology/Oncology PRN Focus Session—From Pharmacogenomic Evidence to Clinical Practice: Getting Personal in Oncology**

October 24, 2016

Activity No. 0217-0000-16-119-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Current Research and Practice: Patient-Centered Team-Based Care**

October 24, 2016

Activity No. 0217-0000-16-196-L01-P; 1.75 contact hours.

Knowledge-Based Activity

**Ambulatory Care PRN Focus Session—Leveraging Ambulatory Care Metrics to Drive Comprehensive Medication Management (CMM) and Scholarly Research**

October 24, 2016

Activity No. 0217-0000-16-125-L04-P; 1.5 contact hours.

Application-Based Activity

**Critical Care PRN Focus Session—We’re Bringing Sepsis Back: Update in Policy and Practice Measures to Improve Sepsis Outcomes**

October 24, 2016

Activity No. 0217-0000-16-126-L01-P; 1.5 contact hours.

Application-Based Activity

**Drug Information PRN Focus Session—Keeping Up with Drug Information Resources and Skills: The Effective Utilization of Innovative Drug Information Tools, and Strategies to Evaluate Meta-analyses and Systematic Reviews**

October 24, 2016

Activity No. 0217-0000-16-127-L04-P; 1.5 contact hours.

Application-Based Activity

**Geriatrics PRN Focus Session—Shakin’ Not Stirred: Movement Disorder Assessment and Management**

October 24, 2016

Activity No. 0217-0000-16-128-L01-P; 1.5 contact hours.

Application-Based Activity

**HIV PRN Focus Session—HIV in Special Populations**

October 24, 2016

Activity No. 0217-0000-16-129-L02-P; 1.5 contact hours.

Knowledge-Based Activity

**Pain and Palliative Care PRN Focus Session—Recent Advances and Hot Topics in Palliative Medicine**

October 24, 2016

Activity No. 0217-0000-16-130-L01-P; 1.5 contact hours.

Application-Based Activity

**Imposters, Negotiators, Mentors, and Perfectionists: A Journey to Confident Leadership**

October 24, 2016

Activity No. 0217-0000-16-175-L04-P; 2.0 contact hours.

Knowledge-Based Activity

**Tuesday**

**Advancements in Immunotherapy and the Microbiome: Principles and Patient Outcomes**

October 25, 2016

Activity No. 0217-0000-16-133-L01-P; 1.5 contact hours.

Application-Based Activity

**Clinical Controversies**

October 25, 2016

Activity No. 0217-0000-16-134-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Emerging Knowledge, Issues, and Challenges with Marijuana and Synthetic Cannabinoids**

October 25, 2016

Activity No. 0217-0000-16-131-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**The Affordable Care Act and Practice Advancement: Implications for Quality and Patient Care**

October 25, 2016

Activity No. 0217-0000-16-132-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Fundamentals of Providing Excellent Peer Reviews**

October 25, 2016

Activity No. 0217-0000-16-155-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Principles and Practices of Getting Things Done Within Organizations**

October 25, 2016

Activity No. 0217-0000-15-155-L04-P; 2.0 contact hours.

Knowledge-Based Activity

**Research into Practice: Unlocking Mechanisms of Azole Resistance in Invasive Candidiasis**

October 25, 2016

Activity No. 0217-0000-16-197-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**The Application of Adaptive Leadership in Pharmacy**

October 25, 2016

Activity No. 0217-0000-16-176-L04-P; 2.0 contact hours.

Application-Based Activity

**Cardiology PRN Focus Session—A Tale of Two Perspectives: Debating and Reconciling Hypertension Guidelines, Data, and Lore**

October 25, 2016

Activity No. 0217-0000-16-136-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**GI/Liver/Nutrition PRN Focus Session—The Spectrum of Liver Disease: Insights into Fatty Liver and Medication Dosing in Advanced Liver Disease**

October 25, 2016

Activity No. 0217-0000-16-137-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Nephrology PRN Focus Session—New Agents and Their Implications for Patients with Chronic Kidney Disease**

October 25, 2016

Activity No. 0217-0000-16-151-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Pediatric PRN Focus Session—Best Practices for Pharmacokinetics and Pediatric Dosing Strategies**

October 25, 2016

Activity No. 0217-0000-16-140-L01-P; 1.5 contact hours.

Application-Based Activity

**Perioperative Care PRN and Pain and Palliative Care PRN Focus Session—Clinical Pearls: Best Practices in Perioperative Multimodal Pain Management**

October 25, 2016

Activity No. 0217-0000-16-138-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Women's Health PRN Focus Session—Optimizing Care for Perimenopausal Women**

October 25, 2016

Activity No. 0217-0000-16-139-L01-P; 1.5 contact hours.

Application-Based Activity

**BCOP Clinical Sessions—Lung Cancer Therapy and Molecular Targets**

October 25, 2016

Activity No. 0217-9999-16-135-L01-P; 2.0 contact hours.

Knowledge-Based Activity

**Planning for Effective Teaching**

October 25, 2016

Activity No. 0217-0000-14-136-L04-P; 4.0 contact hours.

Application-Based Activity

**Emergency Medicine PRN Focus Session—Got Evidence? Do Ketamine, NOAC Reversal Agents, and Icatibant Do the Body Good?**

October 25, 2016

Activity No. 0217-0000-16-166-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Endocrine and Metabolism PRN Focus Session—Newer Agents for Diabetes: Are These the Answers We Have Been Waiting For?**

October 25, 2016

Activity No. 0217-0000-16-142-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Immunology/Transplantation PRN—Post-transplant Malignancy: Managing Our BIG Problem**

October 25, 2016

Activity No. 0217-0000-16-143-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Infectious Diseases PRN Focus Session—Standards of Antimicrobial Stewardship**

October 25, 2016

Activity No. 0217-0000-16-141-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Pharmaceutical Industry PRN and Health Outcomes PRN Focus Session—Cost-efficacy vs. Clinical Efficacy and the Impact on Clinical Choice**

October 25, 2016

Activity No. 0217-0000-16-144-L04-P; 1.5 contact hours.

Knowledge-Based Activity

**Reviewing Abstracts with Excellence**

October 25, 2016

Activity No. 0217-0000-16-184-L04-P; 1.5 contact hours.

Application-Based Activity

**Wednesday**

**Frontiers in Pharmacogenomics: Predictive Prescribing and Beyond**

October 26, 2016

Activity No. 0217-0000-16-147-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Primary Care Management of Emerging Complications with Chronic HIV Infection and Cancer Survivors**

October 26, 2016

Activity No. 0217-0000-16-146-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**BCOP Clinical Sessions—Multiple Myeloma and Pediatric CINV II**

October 26, 2016

Activity No. 0217-9999-16-145-L01-P; 2.0 contact hours.

Application-Based Activity



**Personal Leadership Development**

October 26, 2016

Activity No. 0217-000-14-135-L04-P; 4.0 contact hours.

Application-Based Activity

**New Insights on Common Problems—Pain Management and Diabetes Care**

October 26, 2016

Activity No. 0217-0000-16-149-L01-P; 1.5 contact hours.

Knowledge-Based Activity

**Preceptor Development: Educational Strategies for Improving Student Practice-Based Abilities and Interdisciplinary Communication**

October 26, 2016

Activity No. 0217-0000-16-148-L04-P; 1.5 contact hours.

Knowledge-Based Activity



## Saturday, October 22

\*Premeeeting symposia handouts are available only to those who registered for the premeeting symposia. Seperate registration required.

7:00 a.m. – 1:00 p.m.; Great Hall Foyer; Presymposia Registration, Bookstore, and Cyber Café		
7:00 a.m. – 6:00 p.m.; Room 201; Meditation and Prayer Room		
8:00 a.m. – noon; Regency Ballroom 1; Leadership Primer, I*	8:00 a.m. – noon; Regency Ballroom 2; Research Primer, I*	
ACCP Academy Leadership and Management Certificate Program		
8:30 a.m. – 4:30 p.m.; Great Hall 2; 2016 From Theory to Practice: Clinical Reasoning Series in Ambulatory Care Pharmacy—Hepatitis C: The Newest Strategies for Management and Treatment*	8:30 a.m. – 4:30 p.m.; Atlantic Ballroom 1; 2016 From Theory to Practice: Clinical Reasoning Series in Critical Care Pharmacy—Management of Patients with Circulatory Shock*	8:30 a.m. – 4:30 p.m.; Atlantic Ballroom 2; 2016 From Theory to Practice: Clinical Reasoning Series in Pediatric Pharmacy—The ABCs of Pediatric Epilepsy: From Status Epilepticus to Long-term Seizure Management*
9:00 a.m. – 9:30 a.m.; Great Hall 1; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Quarterfinal A; Purdue University College of Pharmacy vs. Southern Illinois University Edwardsville School of Pharmacy		
9:45 a.m. – 10:15 a.m.; Great Hall 1; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Quarterfinal B: University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences vs. University of the Sciences Philadelphia College of Pharmacy		
10:30 a.m. – 11:00 a.m.; Great Hall 1; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Quarterfinal C: University of Rhode Island College of Pharmacy vs. East Tennessee State University Bill Gatton College of Pharmacy		
11:15 a.m. – 11:45 a.m.; Great Hall 1; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Quarterfinal D: Union University School of Pharmacy vs. Oregon State University College of Pharmacy		
1:00 p.m. – 5:00 p.m.; Regency Ballroom 1; Research Basics*		1:00 p.m. – 5:00 p.m.; Regency Ballroom 2; Teaching and Learning Primer*
ACCP Academy Research and Scholarship Certificate Program		
1:00 p.m. – 6:30 p.m.; Great Hall 5; Chart the Course of Your Professional Future*		
1:00 p.m. – 7:00 p.m.; Great Hall 3; Emerge from the Crowd: How to Become a Standout Residency Candidate		
2:00 p.m. – 7:00 p.m.; Great Hall Foyer; General Meeting Registration, Bookstore, and Cyber Café		
4:00 p.m. – 6:30 p.m.; Great Hall 6; PRN Officers Meeting (by invitation only)		
7:00 p.m. – 8:00 p.m.; Great Hall 3; Student and Resident Reception		
7:00 p.m. – 10:00 p.m.; Atlantic Ballroom; 2016 ACCP Annual Fellows Dinner (by invitation only)		

## Sunday, October 23

Please refer to [www.accp.com/meetings/am16/handouts.aspx](http://www.accp.com/meetings/am16/handouts.aspx) for session handouts.

6:30 a.m. – 6:00 p.m.; Great Hall Foyer; Registration, Bookstore, and Cyber Café
7:00 a.m. – 6:00 p.m.; Room 201; Meditation and Prayer Room
8:00 a.m. – 9:30 a.m.; Grand Ballroom West; ACCP Residency and Fellowship Forum, I
8:00 a.m. – noon; Great Halls 1 & 2; ACCP Opening General Session
10:00 a.m. – 11:30 a.m.; Grand Ballroom West; ACCP Residency and Fellowship Forum, II
Noon – 2:00 p.m.; Diplomat Ballroom; ACCP Committee and Task Force Luncheon and Meetings <i>(by invitation only)</i>
1:00 p.m. – 2:30 p.m.; Grand Ballroom East; Scientific Poster Presentations, I
1:30 p.m. – 3:00 p.m.; Great Hall 3; Conducting Practice-Based Research to Improve Patient Care
2:15 p.m. – 4:00 p.m.; Great Hall 5; Clinical Pharmacy Career Path Roundtables
2:30 p.m. – 4:15 p.m.; Great Halls 1 & 2; ACCP Annual Business Meeting and Town Hall
3:15 p.m. – 4:45 p.m.; Great Hall 3; Speaking the Language of the C-Suite—How to Justify Clinical Pharmacy Services to Administrators and Consultants
3:30 p.m. – 5:00 p.m.; Grand Ballroom East; Scientific Poster Presentations, II
4:30 p.m. – 5:00 p.m.; Great Halls 1 & 2; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Semifinal A
4:30 p.m. – 6:00 p.m.; Great Hall 4; Professional Development Roundtable Session
5:15 p.m. – 5:45 p.m.; Great Halls 1 & 2; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Semifinal B
6:00 p.m. – 9:00 p.m.; Outside on the South Palm Court; ACCP Opening Reception

## Monday, October 24

Please refer to [www.accp.com/meetings/am16/handouts.aspx](http://www.accp.com/meetings/am16/handouts.aspx) for session handouts.

7:00 a.m. – 6:00 p.m.; Great Hall Foyer; Registration, Bookstore, and Cyber Café			
7:00 a.m. – 6:00 p.m.; Room 201; Meditation and Prayer Room			
7:30 a.m. – 10:30 a.m.; Rooms 312 & 313; Pharmacotherapy Editorial Board Meeting <i>(by invitation only)</i>			
8:00 a.m. – 9:00 a.m.; Great Hall Foyer/Bookstore; ACCP Self-Assessment Programs – Ask the Editors' Coffee Hour			
8:30 a.m. – 10:00 a.m.; Diplomat Ballrooms 1 & 2; ACCP Student Chapter Forum			
9:15 a.m. – 10:45 a.m.; Great Hall 5; Challenging Disease States—An Update on Management from the Provider and Patient Perspective	9:15 a.m. – 10:45 a.m.; Great Halls 1 & 2; Expanding Pharmacy Impact: Transitional Care Management and Chronic Care Management	9:15 a.m. – 10:45 a.m.; Great Hall 3; Hyperlipidemia and COPD; 2 Old Problems with New Therapies and Goals	9:15 a.m. – 10:45 a.m.; Great Hall 4; Preceptor Development: Training for Transition to Practice
9:15 a.m. – 11:15 a.m.; Regency Ballroom 2; ACCP Advocacy, Health Policy and Interprofessional Affairs: Expanding and Integrating ACCP's Washington Activities	9:15 a.m. – 11:15 a.m.; Great Hall 6; Implementation Science: Application to CMM	9:15 a.m. – 11:15 a.m.; Regency Ballroom 1; Leadership Primer, II <i>ACCP Academy Leadership and Management Certificate Program</i>	9:15 a.m. – 11:15 a.m.; Regency Ballroom 3; Wikipedia—Learning Locally While Con-tributing Globally <i>ACCP Academy Teaching and Learning Certificate Program</i>
11:00 a.m. – 11:30 a.m.; Great Halls 1 & 2; ACCP Clinical Pharmacy Challenge—2016 Annual Student Competition Finals			
11:30 a.m. – 1:15 p.m.; Grand Ballroom; Scientific Poster Presentations, III and Lunch			
11:45 a.m. – 1:00 p.m.; Room 307; Dean's Luncheon <i>(by invitation only)</i>			

1:30 p.m. – 3:00 p.m.; Great Halls 1 & 2; Adult Medicine PRN Focus Session— <i>An Update to the Management of Acute Bacterial Skin and Skin Structure Infections: What Is the Utility of the New Agents?</i>	1:30 p.m. – 3:00 p.m.; Great Hall 4; Central Nervous System PRN and Women's Health PRN Focus Session— <i>Special Topics in the Treatment of Depressive Disorders in Women of Reproductive Age</i>	1:30 p.m. – 3:00 p.m.; Great Hall 5; Clinical Administration PRN— <i>Integrating an Established Performance Improvement (PI) Method for Implementing Change</i>	1:30 p.m. – 3:00 p.m.; Great Hall 3; Education and Training PRN— <i>Integrating Interprofessional Education into Practice</i>	1:30 p.m. – 3:00 p.m.; Regency Ballroom 1; Global Health PRN Focus Session— <i>Underserved Populations in Developed and Underdeveloped Countries: Global Lessons for Pharmacists to Improve Access to Care and Essential Medicines</i>	1:30 p.m. – 3:00 p.m.; Great Hall 6; Pharmacokinetics/ Pharmacodynamics/ Pharmacogenomics PRN and Hematology/Oncology PRN Focus Session— <i>From Pharmacogenomic Evidence to Clinical Practice: Getting Personal in Oncology</i>
1:30 p.m. – 3:30 p.m.; Regency Ballroom 2; Letter of Intent Writing Workshop					
1:30 p.m. – 5:00 p.m.; Room 303; <i>Pharmacotherapy</i> Scientific Editors Meeting (by invitation only)					
3:15 p.m. – 4:45 p.m.; Great Halls 1 & 2; Ambulatory Care PRN Focus Session— <i>Leveraging Ambulatory Care Metrics to Drive Comprehensive Medication Management (CMM) and Scholarly Research</i>	3:15 p.m. – 4:45 p.m.; Great Hall 4; Critical Care PRN Focus Session— <i>We're Bringing Sepsis Back: Update in Policy and Practice Measures to Improve Sepsis Outcomes</i>	3:15 p.m. – 4:45 p.m.; Regency Ballroom 2; Drug Information PRN Focus Session— <i>Keeping Up with Drug Information Resources and Skills: The Effective Utilization of Innovative Drug Information Tools, and Strategies to Evaluate Meta-analyses and Systematic Reviews</i>	3:15 p.m. – 4:45 p.m.; Regency Ballroom 2; Drug Information PRN Focus Session— <i>Keeping Up with Drug Information Resources and Skills: The Effective Utilization of Innovative Drug Information Tools, and Strategies to Evaluate Meta-analyses and Systematic Reviews</i>	3:15 p.m. – 4:45 p.m.; Great Hall 3; HIV PRN Focus Session— <i>HIV in Special Populations</i>	3:15 p.m. – 4:45 p.m.; Great Hall 5; Pain and Palliative Care PRN Focus Session— <i>Recent Advances and Hot Topics in Palliative Medicine</i>
3:15 p.m. – 5:15 p.m.; Regency Ballroom 1; Imposters, Negotiators, Mentors, and Perfectionists: A Journey to Confident Leadership					
ACCP Academy Leadership and Management Certificate Program					
3:45 p.m. – 5:00 p.m.; Regency Ballroom 3; Best Paper Presentations					
5:30 p.m. – 6:30 p.m.; Room 317; <i>Pharmacotherapy</i> Reception (by invitation only)					

6:00 p.m. – 9:00 p.m. (see page 6 for rooms); PRN Business Meetings and Networking Forums—Adult Medicine, Cardiology, Critical Care, Drug Information, Education and Training, Emergency Medicine, Endocrine and Metabolism, Geriatrics, Nephrology, Pain and Palliative Care, Pediatrics, Perioperative Care, and Pharmaceutical Industry.

## Tuesday, October 25

Please see [www.accp.com/meetings/am16/handouts.aspx](http://www.accp.com/meetings/am16/handouts.aspx) for session handouts.

7:00 a.m. – 6:00 p.m.; Great Hall Foyer; Registration, Bookstore, and Cyber Café				
7:00 a.m. – 6:00 p.m.; Room 201; Meditation and Prayer Room				
8:00 a.m. – 9:00 a.m.; Great Hall 4; ACCP Academy Graduation <i>(by invitation only)</i>				
8:00 a.m. – 10:00 a.m.; Grand Ballroom; Scientific Poster Presentations, IV and Breakfast				
9:00 a.m. – 10:00 a.m.; Room 202; ACCP Academy Mentoring Session				
10:15 a.m. – 11:45 a.m.; Great Hall 6; Advancements in Immunotherapy and the Microbiome: Principles and Patient Outcomes	10:15 a.m. – 11:45 a.m.; Great Hall 4; Clinical Controversies	10:15 a.m. – 11:45 a.m.; Diplomat Ballroom 3; Emerging Knowledge, Issues, and Challenges with Marijuana and Synthetic Cannabinoids	10:15 a.m. – 11:45 a.m.; Regency Ballroom 2; Fundamentals of Providing Excellent Peer Reviews	10:15 a.m. – 11:45 a.m.; Great Hall 5; The Affordable Care Act and Practice Advancement: Implications for Quality and Patient Care
10:15 a.m. – 12:15 p.m.; Regency Ballroom 3; Principles and Practices of Getting Things Done Within Organizations			10:15 a.m. – 12:15 p.m.; Regency Ballroom 1; The Application of Adaptive Leadership in Pharmacy	
1:30 p.m. – 3:00 p.m.; Diplomat Ballroom 3; Pharmacy Practice Chairs Meeting <i>(by invitation only)</i>				
ACCP Academy Leadership and Management Certificate Program				

1:30 p.m. – 3:00 p.m.; Great Hall 4; Cardiology PRN Focus Session—A Tale of Two Perspectives: Debating and Reconciling Hypertension Guidelines, Data, and Lore	1:30 p.m. – 3:00 p.m.; Diplomat Ballrooms 4 & 5; GI/Liver/Nutrition PRN Focus Session—The Spectrum of Liver Disease: Insights into Fatty Liver and Medication Dosing in Advanced Liver Disease	1:30 p.m. – 3:00 p.m.; Great Hall 5; Nephrology PRN Focus Session—New Agents and Their Implications for Patients with Chronic Kidney Disease	1:30 p.m. – 3:00 p.m.; Great Hall 6; Pediatric PRN Focus Session— <i>Best Practices for Pharmacokinetics and Pediatric Dosing Strategies</i>	1:30 p.m. – 3:00 p.m.; Regency Ballroom 1; Perioperative Care PRN and Pain and Palliative Care PRN Focus Session— <i>Clinical Pearls: Best Practices in Perioperative Multimodal Pain Management</i>	1:30 p.m. – 3:00 p.m.; Regency Ballroom 1; Perioperative Care PRN and Pain and Palliative Care PRN Focus Session— <i>Clinical Pearls: Best Practices in Perioperative Multimodal Pain Management</i>
<p>1:30 p.m. – 3:30 p.m.; Diplomat Ballrooms 1 &amp; 2; BCOP Clinical Sessions— <i>Lung Cancer Therapy and Molecular Targets</i></p> <p><i>Part of the ACCP/ASHP BCOP Recertification Program</i></p>					
3:15 p.m. – 4:45 p.m.; Great Hall 6; Emergency Medicine PRN Focus Session— <i>Got Evidence? Do Ketamine, NOAC Reversal Agents, and Icatibant</i>	3:15 p.m. – 4:45 p.m.; Great Hall 5; Endocrine and Metabolism PRN Focus Session— <i>Newer Agents for Diabetes: Are These the Answers We Have Been Waiting For?</i>	3:15 p.m. – 4:45 p.m.; Diplomat Ballroom 3; Immunology/ Transplantation PRN— <i>Post-transplant Malignancy: Managing Our BIG Problem</i>	3:15 p.m. – 4:45 p.m.; Great Hall 4; Infectious Diseases PRN Focus Session— <i>Standards of Antimicrobial Stewardship</i>	Pediatric PRN Focus Session— <i>Best Practices for Pharmacokinetics and Pediatric Dosing Strategies</i>	3:15 p.m. – 4:45 p.m.; Diplomat Ballrooms 4 & 5; Pharmaceutical Industry PRN and Health Outcomes PRN Focus Session— <i>Cost-efficacy vs. Clinical Efficacy and the Impact on Clinical Choice</i>
<p>1:30 p.m. – 5:30 p.m.; Regency Ballroom 3; Planning for Effective Teaching <i>ACCP Academy Teaching and Learning Certificate Program</i></p>					
<p>3:15 p.m. – 4:45 p.m.; Regency Ballroom 1; Reviewing Abstracts with Excellence</p>					
<p>6:00 p.m. – 9:00 p.m. (see page 6 for rooms); PRN Business Meetings and Networking Forums—Ambulatory Care, Central Nervous System, Clinical Administration, GI/Liver/Nutrition, Global Health, Health Outcomes, Hematology/Oncology, HIV, Immunology/Transplantation, Infectious Diseases, Pharmacokinetics/Pharmacodynamics/Pharmacogenomics, and Women's Health.</p>					

Wednesday, October 26

Please see [www.accp.com/meetings/am16/handouts.aspx](http://www.accp.com/meetings/am16/handouts.aspx) for session handouts.

7:00 a.m. – noon; Room 201; Meditation and Prayer Room	
7:00 a.m. – 12:30 p.m.; Great Hall Foyer; Bookstore and Cyber Café	
8:00 a.m. – 9:30 a.m.; Great Hall 4; Frontiers in Pharmacogenomics: Predictive Prescribing and Beyond	8:00 a.m. – 9:30 a.m.; Great Hall 5; Primary Care Management of Emerging Complications with Chronic HIV Infection and Cancer Survivors
8:00 a.m. – 10:00 a.m.; Great Hall 6; BCOP Clinical Sessions—Multiple Myeloma and Pediatric CINV II Part of the ACCP/ASHP BCOP Recertification Program	
8:00 a.m. – noon; Regency Ballroom 1; Personal Leadership Development <i>ACCP Academy Leadership and Management Certificate Program</i>	
9:45 a.m. – 11:15 a.m.; Great Hall 5; New Insights on Common Problems—Pain Management and Diabetes Care	9:45 a.m. – 11:15 a.m.; Great Hall 4; Preceptor Development: Educational Strategies for Improving Student Practice-Based Abilities and Interdisciplinary Communication <i>ACCP Academy Teaching and Learning Certificate Program</i>



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Whether you simply wish to learn more about the mission and function of the ACCP PBRN, need insight into the types of research appropriate for the PBRN, or want to explore in depth what is involved in establishing collaborative research efforts with both internal and external stakeholders, the CAP members of the ACCP PBRN may be able to provide an educational session at your site. Interested parties are asked to contact us at [pbrn@accp.com](mailto:pbrn@accp.com) to determine whether we can provide local support. We look forward to hearing from you.

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- The RI Futures Grants: Mentored research awards for students, trainees, and junior investigators.
- The Focused Investigator Training (FIT) Program – Ninth offering June 26–30, 2017.
- The Mentored Research Investigator Training (MeRIT) Program – Third offering June 26–30, 2017.
- The ACCP Practice-Based Research Network (PBRN) – Driving collaborative practice-based clinical pharmacy research that advances health care.

As the RI celebrates previous successes, we acknowledge that these programs were made possible, in large part, by the contributions of several hundred ACCP members and organizations, as well as the many PRNs that donated to the Frontiers Fund. Please support clinical pharmacy researcher development and the advancement of clinical pharmacy research by contributing to the Frontiers Fund during the Annual Meeting or online at [www.accpri.org](http://www.accpri.org).

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Alireza Hayatshahi	Nicholas Norgard	Tyler Vest
Thaddaus Hellwig	Michael Pacanowski	Lai Fan Jennie Vong
David Henry	Venita Papillion	Timothy Welty
James Hoehns	Mark Parmenter	Candice Wong
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## ACCP Research Institute Legacy Society



The society's purpose is to recognize donors who make planned, significant, one-time or cumulative annual gifts to the Frontiers Fund. Participation can include bequests, cash or stock donations, and other planned giving activities. The ACCP Research Institute (RI) currently has more than \$1 million in future gifts.

You can become a member of the Legacy Society by naming the ACCP RI as a beneficiary in your will or estate. Or you can become a member by making a single or cumulative gift to the ACCP RI of \$50,000 or more.

If you are interested in learning more, please visit the RI's Legacy Society webpage at [www.accpri.org/frontiers/legacy.aspx](http://www.accpri.org/frontiers/legacy.aspx). The website serves as a primary source of professional gift planning advice and Legacy Society membership information.



## Mentored Research Investigator Training (MeRIT) Program



The Research Institute (RI) is pleased to again offer this one-of-a-kind training program designed to assist pharmacists with developing the abilities necessary to conduct investigator-initiated research, either independently as a principal investigator or as an active co-investigator within a research team. Ideal candidates for the MeRIT Program are pharmacy faculty or practitioners with limited research experience who are:

- committed to incorporating research into their professional careers,
- interested in generating research themes or obtaining preliminary data for larger funding opportunities, and
- aspiring to be active principal or co-investigators within a research team.

MeRIT is a 2-year longitudinal program that uses a combination of live and virtual teaching and mentoring methods to provide trainees with the support and education they need throughout the research experience (i.e., from idea, proposal development, funding application, and project completion to presentation and publication). Be sure to visit the 2015 MeRIT participants' completed research posters and the 2016 MeRIT participants' research design posters during the Annual Meeting on Tuesday, 8:00 a.m. – 10:00 a.m., in the Grand Ballroom.

The application period for the 2017 MeRIT Program will open in late fall 2016, with letters of intent due February 29 and full applications due March 31. The primer program will be held June 26–30, 2017, on the campus of the University of Michigan College of Pharmacy in Ann Arbor, Michigan.

## Focused Investigator Training (FIT) Program



The RI's annual flagship pharmacist investigator training program continues June 26–30, 2017, at the University of Michigan College of Pharmacy, in Ann Arbor, Michigan. If you are preparing to submit (or re-submit) a research proposal to NIH or other major foundation/organization funding source, FIT should be on your agenda.

This 5-day, intensive, hands-on program has a strong history of participant success, as it pairs experienced and funded faculty mentors with investigator-participants. The program is geared to fine-tune R-type investigator-initiated proposals and K-type career development awards. The ideal applicant is a mid-career, fellowship-trained, tenure-track or research-focused pharmacist.

Feedback from a past FIT participant – *"The focused and protected time to work on my proposal and receive expert/critical feedback on my proposal were instrumental to my receiving funding and I've not been able to reproduce the same experience outside of the FIT program."*

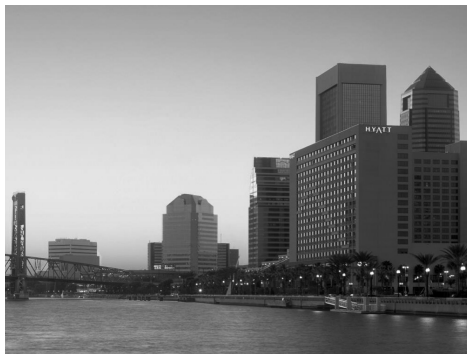
More information on MeRIT and FIT will be available at the RI's Open House on Tuesday, October 25, from 8:00 a.m. to 10:00 a.m. in Great Hall 5, and on the RI's website at [www.accpri.org/investigator](http://www.accpri.org/investigator).



## Save the Date

### ACCP Updates in Therapeutics® 2017

- Ambulatory Care Pharmacy Preparatory Review and Recertification Course
- Critical Care Pharmacy Preparatory Review and Recertification Course
- Pediatric Pharmacy Preparatory Review and Recertification Course
- Pharmacotherapy Preparatory Review and Recertification Course



**Location:** Jacksonville, Florida

**Dates:** February 17 – Sunday,  
February 19

**Official Meeting Location/  
Hotel:** Hyatt Regency  
Jacksonville Riverfront

**To obtain more information  
and to register, please go to  
[www.accp.com/ut](http://www.accp.com/ut).**



### 2017 ACCP Annual Meeting

**Location:** Phoenix, Arizona

**Dates:** Saturday, October 7 –  
Tuesday, October 10

**Official Meeting Location/  
Hotel:** Phoenix Convention  
Center

**Official Hotel:** Sheraton Grand  
Phoenix



## Call for Abstracts for the 2017 ACCP Virtual Poster Symposium

For complete instructions, evaluation criteria, and details on submitting abstracts, visit [www.accp.com/2017vps](http://www.accp.com/2017vps).

All investigators in the field of clinical pharmacy and clinical *pharmacology*, ACCP members and nonmembers alike, are invited to submit abstracts to be considered for presentation during the ACCP Virtual Poster Symposium, May 17–18, 2017.

Posters will be on display May 15–18 for asynchronous viewing and comment. In addition, two interactive sessions will be scheduled on May 17 and May 18, when authors will be available for real-time online question-and-answer sessions alongside their virtual posters. The technology required for presenters and the poster-viewing audience is minimal—a broadband

Internet connection, a current version of an Internet browser, and Skype (free software).

All abstracts accepted for presentation, except for “Encore” and “Research-in-Progress” presentations, will have full-text abstracts published online in *Pharmacotherapy*. Only the abstract title, authors, and original citation will be published in *Pharmacotherapy* for Encore Presentations. All abstracts accepted in the Original Research category will be automatically entered in the Best Poster Award competitions.

Abstracts may be submitted in one of the following categories:

**ORIGINAL RESEARCH:** Abstracts must summarize quantitative or qualitative findings from completed research. Basic, clinical, translational, dissemination/implementation, and educational research are examples of acceptable research. Topics should appeal to a clinical pharmacy audience and may include research in drug metabolism, education/pedagogy, health services, medication safety, patient/population outcomes, pharmacokinetics, pharmacodynamics, pharmacoeconomics, pharmacoepidemiology, pharmacogenomics, pharmacology, or pharmacotherapy. Abstracts reporting in vitro or animal research are welcome.\*\*

- Abstracts must be structured with the section headers of Introduction, Research Question or Hypothesis, Study Design, Methods, Results, and Conclusions.
- Abstracts will be evaluated on the basis of the merits of the research question/hypothesis, study design, originality, methods, data analysis, results, and conclusions.
- Descriptions of planned research efforts or preliminary data will not be accepted in this category.
- To be eligible for the Best Poster, Student Best Poster, or Resident/Fellow Best Poster award, the abstract must fit and be submitted in this category.
- Original research findings presented elsewhere, but important to clinical pharmacy, are encouraged as Encore submissions (see Encore Presentation details below).
- A previously presented abstract may form the basis for a new abstract to be submitted for consideration in the Original Research category if the previous abstract:
  1. was a descriptive report of planned research only,
  2. described preliminary results only and complete results are now available,
  3. was presented at a student, resident, or fellow conference focused on gaining presentation experience and/or formative feedback,

4. presentation experience and/or formative feedback,
5. has conclusions that have been added/modified according to a new hypothesis and data analysis of the original results database.

**\*\*A copy of the original abstract and the full citation of where/when the research was presented must accompany the submission. ACCP reserves the right to determine the extent of difference necessary to substantiate a new Original Research abstract submission.**

**SYSTEMATIC REVIEWS/META-ANALYSES:** Abstracts must describe a systematic review adhering to the guidelines and definitions established by Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA, [www.prisma-statement.org/](http://www.prisma-statement.org/)) and include the 12 items published in the PRISMA for Abstracts checklist (<http://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1001419>).

- Abstracts must be structured with the PRISMA for Abstracts format: Background, Methods, Results, Discussion, and Other.
- Abstracts will be evaluated on the basis of the merits of the 12 PRISMA for Abstracts checklist items: title, objectives, eligibility criteria, information sources, risk of bias, included studies, synthesis of results, description of the effect, strengths and limitations of evidence, interpretation, funding, and registration.
- Abstracts presented elsewhere, but important to clinical pharmacy, are encouraged as Encore submissions (see Encore Presentation details below).

**CASE REPORTS:** Abstracts of case reports must update and expand therapeutic insights and possibilities, or generate research hypotheses. Although narrative in nature, these abstracts must stress the “evidence” for the authors’ conclusions by describing the process followed to understand the findings and possible mechanisms involved in the patient’s case, how the patient was evaluated and treated, and a specific description of the outcome.

- Abstracts must be structured with these section headers: Introduction, Case, Discussion, and Conclusion.
- Case report abstracts will be evaluated on the basis of the abstract criteria recommended by the CARE Guidelines (Case Report Group, [www.care-statement.org/care-checklist.html](http://www.care-statement.org/care-checklist.html)): uniqueness of report, clinical findings presented, outcomes documented, and “take-away” lessons.
- Abstracts of case reports presented elsewhere, but important to clinical pharmacy, are encouraged as Encore submissions (see Encore Presentation details below).

**CLINICAL PHARMACY FORUM:** Abstracts must describe the development, delivery, justification, or documentation of new or innovative clinical pharmacy services. Abstracts that address components of the ACCP Standards of Practice for Clinical Pharmacists (see [www.accp.com/standards](http://www.accp.com/standards)) and/or describe efforts to develop, advance, or position clinical pharmacists to optimize patient care are encouraged. Abstracts may be descriptive and need not contain an evaluative component. Encore submissions are welcome.

- Abstracts must be structured with the section headers of Service or Program, Justification/Documentation, Adaptability, and Significance.
- Abstracts will be evaluated on the basis of the originality of the service or program, adequacy of justification/documentation, adaptability to other settings, and significance to clinical pharmacy.
- Abstracts presented elsewhere, but important to clinical pharmacy, are encouraged as Encore submissions (see Encore Presentation details below).

**ADVANCES IN INTERNATIONAL CLINICAL PHARMACY PRACTICE, EDUCATION, OR TRAINING:** Abstracts must describe the development, delivery, justification, or documentation of clinical pharmacy practice, education, or training outside the United States. Abstracts may be descriptive and need not contain an evaluative component.

- Abstracts must be structured with the section headers of Service or Program, Justification/Documentation, Adaptability, and Significance.
- Abstracts will be evaluated on the basis of the originality of the service or program to the specific setting, adequacy of justification/documentation, adaptability to other settings, and significance to international clinical pharmacy advancement.
- Abstracts presented elsewhere, but important to clinical pharmacy, are encouraged as Encore submissions (see Encore Presentation details below).

**RESIDENTS AND FELLOWS RESEARCH-IN-PROGRESS:** Submission guidelines are those of an Original Research abstract except that the research effort is ongoing at the time of abstract submission.

- The presenting author must be in a postgraduate training program (PGY1 or PGY2 residency, Ph.D./master's graduate degree program, or fellowship training program).
- Abstracts submitted in the Research-in-Progress category are not eligible for the Resident and Fellow Best Poster competition. \*Note: To be eligible for the Best Poster competition, the research must meet the criteria for and be submitted under the Original Research category, indicating that it was conducted by a resident or fellow.

**STUDENT RESEARCH-IN-PROGRESS:** Submission guidelines are those of an Original Research abstract except that the research effort is ongoing at the time of abstract submission.

- The presenting author must be a first professional degree (Pharm.D. or B.S. Pharm.) student.
- Abstracts submitted in the Research-in-Progress category are not eligible for the Student Best Poster competition. \*Note: To be eligible for the Best Poster competitions, the research must meet the criteria for and be submitted under the Original Research category, indicating that it was conducted by a student.

**ENCORE PRESENTATION:** Submission and evaluation criteria are those of the Original Research, Systematic Review/Meta-analysis, Case Report, or Clinical Pharmacy Forum category, except that the same abstract was presented elsewhere or published in abstract form only before this meeting.

- Abstracts submitted for Encore Presentations must not be modified from the previously presented/published version. This includes the title, authors, and abstract body. The presenting author may change but must be an author on the original abstract.
- The same abstract may not be presented at more than one national ACCP event.
- Only the abstract title, authors, and original citation will be published in Pharmacotherapy.
- Encore Presentations will not be eligible for the Best Poster Awards.
- Submit Encore Presentation abstracts as Original Research, Systematic Review/Meta-analysis, Case Report, or Clinical Pharmacy Forum, and select "Encore" when prompted, providing the original citation and a copy of the original abstract.

**Submission Deadline**

The deadline to submit abstracts in all categories is Friday, January 20, 2017, 11:59 p.m. (PST).

**Acceptance Notification**

Authors will be notified by e-mail of acceptance of their papers by Friday, March 31, 2017. Best Poster finalists will be notified by Wednesday, May 10, 2017, and their posters will be judged during the Virtual Poster Symposium by a panel of judges.



# 2016 ACCP Annual Meeting Premeeting Symposia Saturday, October 22, 2016

7:00 a.m. – 1:00 p.m.  
Great Hall Foyer

## Premeeting Symposia Registration

7:00 a.m. – 6:00 p.m.  
Room 201

## Meditation and Prayer Room

7:00 a.m. – 7:00 p.m.  
Great Hall Foyer

## ACCP Bookstore and Cyber Café

8:00 a.m. – noon  
Regency Ballroom 1

## Leadership Primer, I

Activity No. 0217-0000-16-156-L04-P



*Part of the ACCP Academy Leadership and Management Certificate Program. To obtain more information or to enroll, visit the website at [www.accp.com/academy](http://www.accp.com/academy).*

*Part of the Leadership and Management Certificate Program core programming, this foundational module is designed to provide participants with an introductory background in organizational behavior theory and fundamental philosophical concepts of leadership. Several definitions of leadership will be explored and discussed together with philosophical leadership thought. The module is meant to further stimulate each participant to seek additional study and experience in this area. Material covered will involve principles and concepts prevalent from the early 1900s to the 21st century.*

*Part II of this session will be presented on Monday at 9:15 a.m. Enrollees in the Leadership and Management Certificate Program must attend both sessions to receive credit.*

*Faculty: Robert Beardsley, Ph.D.*

Professor and Vice Chair for Education, Department of Pharmaceutical Health Services Research, University of Maryland, School of Pharmacy, Baltimore, Maryland

*Peter Hurd, Ph.D.*

Professor and Department Chair of Pharmaceutical and Administrative Sciences, St. Louis College of Pharmacy, St. Louis, Missouri

and

*Robert E. Smith, Pharm.D.*

Professor Emeritus, Harrison School of Pharmacy, Auburn University, Auburn, Alabama

8:00 a.m. – noon  
Regency Ballroom 2



Saturday

### Research Primer

Activity No. 0217-0000-15-153-L04-P

*Part of the Research and Scholarship Certificate Program core programming, this introductory module is designed to engage participants in discussions with faculty researchers conducting clinical, observational, educational, health services, and implementation science studies. Participants will work in small groups with faculty in participants' research areas of interest to complete worksheets focused on their research questions and assessing the FINER criteria. A discussion of the importance of mentors will be followed by another small-group session discussing worksheet topics that focus participants on applying the information to their individual settings for research project success. Completing the worksheets for this session will contribute significantly to participants' portfolio requirements for this module.*

Faculty: *Jimmi Hatton Kolpek, Pharm.D., FCCP, FCCM*  
Professor of Pharmacy, College of Pharmacy, Department of Pharmacy Practice and Science, University of Kentucky, Lexington, Kentucky

*Gary L. Cochran, Pharm.D., S.M.*  
Assistant Professor of Pharmacy Practice, University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska

*Mary T. Roth McClurg, Pharm.D., MHS, FCCP*  
Associate Professor, Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina

and

*Jacqueline McLaughlin, Ph.D., M.S.*  
Assistant Professor, Educational Innovation and Research; Director, Office of Strategic Planning and Assessment, UNC Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina

8:00 a.m.	Research and Scholarship Academy Program Overview
8:15 a.m.	Research and Scholarship Academy Program Overview Framing Your Research Project—Opportunities and Pearls
9:30 a.m.	Break
9:45 a.m.	Worksheet 1 Small-Group Discussions

11:00 a.m. Your Research Mentor

11:30 a.m. Worksheet 2 Small-Group Discussions

Noon Adjourn

8:00 a.m. – 5:00 p.m.  
Room 205

### **BPS Pharmacotherapy Item Review Workshop**

*BPS Pharmacotherapy Item Writing Workshops are conducted to ensure that the specialty item banks contain items that are current and relevant to specialty practice. Items are written online in advance, edited and revised, and finalized at this workshop.*

*By invitation only.*

8:30 a.m. – 4:30 p.m.  
Great Hall 2



### **2016 From Theory to Practice: Clinical Reasoning Series in Ambulatory Care Pharmacy—Hepatitis C: The Newest Strategies for Management and Treatment**

Activity No. 0217-0000-16-111-L01-P

*Approved for 6.0 hours of BCACP recertification credit.*

*The Clinical Reasoning Series is approved by the Board of Pharmacy Specialties for the recertification of Board Certified Ambulatory Care Pharmacists (BCACPs). To earn recertification credit for the Clinical Reasoning Series, BCACPs must attend the full live activity and successfully complete the web-based posttest for the activity by November 30, 2016. Partial credit is not available for this activity.*

8:30 a.m. Introduction  
*Michelle T. Martin, Pharm.D., BCPS, BCACP*

8:45 a.m. Background of Hepatitis C Virus (HCV)  
*Michelle T. Martin, Pharm.D., BCPS, BCACP*

9:15 a.m. Initial and Interferon-Experienced Treatment of HCV  
*Kelsey M. Rife, Pharm.D., BCACP*  
Clinical Pharmacy Specialist, Louis Stokes VA Medical Center,  
Cleveland, Ohio

10:30 a.m. Break

10:45 a.m.	Retreatment and Resistance <i>Paulina Deming, Pharm.D., PhD</i> Associate Professor and Clinical Educator, College of Pharmacy, University of New Mexico Health Sciences Center, Albuquerque, New Mexico
11:45 a.m.	Lunch (on your own)
1:15 p.m.	Treating HCV in “Special Populations” <i>Michelle T. Martin, Pharm.D., BCPS, BCACP</i>
2:15 p.m.	Role of the Pharmacist in HCV Treatment (Panel Discussion) <i>Paulina Deming, Pharm.D., PhD</i> <i>Michelle T. Martin, Pharm.D., BCPS, BCACP</i> <i>Kelsey M. Rife, Pharm.D., BCACP</i>
2:45 p.m.	Break
3:00 p.m.	Challenges with HCV Treatment <i>Paulina Deming, Pharm.D., PhD</i>
3:45 p.m.	The Future of HCV Treatment <i>Kelsey M. Rife, Pharm.D., BCACP</i>
4:15 p.m.	Questions for the Panel and Closing Remarks <i>Michelle T. Martin, Pharm.D., BCPS, BCACP</i>
4:30 p.m.	Adjourn

8:30 a.m. – 4:30 p.m.  
Atlantic Ballroom 1



**2016 From Theory to Practice: Clinical Reasoning Series  
in Critical Care Pharmacy—Management of Patients with  
Circulatory Shock**

Activity No. 0217-0000-16-110-L01-P

*Approved for 6.0 hours of BCPS and BCCCP recertification credit.*

*The Clinical Reasoning Series is approved by the Board of Pharmacy Specialties for the recertification of Board Certified Pharmacotherapy Specialists (BCPSs) and Board Certified Critical Care Pharmacists (BCCCPs). To earn recertification credit for the Clinical Reasoning Series, BCPSs and BCCCPs must attend the full live activity and successfully complete the web-based posttest for the activity by November 30, 2016. Partial credit is not available for this activity.*



8:30 a.m.	<p>Introduction  <i>Seth R. Bauer, Pharm.D., FCCM, BCCCP, BCPS</i>  Critical Care Clinical Coordinator, Cleveland Clinic, Cleveland, Ohio</p>
8:45 a.m.	<p>Overview of Shock Pathophysiology and Monitoring  <i>Douglas L. Jennings, Pharm.D., FCCP, FAHA, BCPS</i>  Clinical Pharmacy Manager - Heart Transplant and Mechanical Circulatory Support, New York Presbyterian Columbia University Medical Center, New York, New York</p>
9:30 a.m.	<p>Treatment of Hypovolemic Shock and Critical Bleeding  <i>Mitchell J. Daley, Pharm.D., BCPS</i>  Clinical Specialist, Critical Care, Seton Family of Hospitals, University Medical Center, Austin, Texas</p>
10:30 a.m.	Break
10:45 a.m.	<p>Cardiogenic Shock and Mechanical Circulatory Support for Advanced Heart Failure  <i>Douglas L. Jennings, Pharm.D., FCCP, FAHA, BCPS</i></p>
11:45 a.m.	Lunch (on your own)
1:15 p.m.	<p>Thrombolytics for Massive and Submassive Pulmonary Embolism  <i>Mitchell J. Daley, Pharm.D., BCPS</i></p>
2:15 p.m.	<p>Vasoactive Medications for Septic Shock  <i>Scott T. Benken, Pharm.D., BCPS</i>  Clinical Pharmacist, Medical ICU, University of Illinois Hospital &amp; Health Sciences System, Chicago, Illinois</p>
3:15 p.m.	Break
3:30 p.m.	<p>Methods to Increase Success for the Sepsis Quality Measure  <i>Scott T. Benken, Pharm.D., BCPS</i></p>
4:15 p.m.	<p>Closing Remarks  <i>Seth R. Bauer, Pharm.D., FCCM, BCCCP, BCPS</i></p>
4:30 p.m.	Adjourn

8:30 a.m. – 4:30 p.m.  
Atlantic Ballroom 2



**2016 From Theory to Practice: Clinical Reasoning Series in Pediatric Pharmacy—The ABC's of Pediatric Epilepsy: From Status Epilepticus to Long-term Seizure Management**  
Activity No. 0217-0000-16-150-L01-P

*Approved for 6.0 hours of BCPPS recertification credit.*

*The Clinical Reasoning Series is approved by the Board of Pharmacy Specialties for the recertification of Board Certified Pediatric Pharmacy Specialists (BCPPSs). To earn recertification credit for the Clinical Reasoning Series, BCPPSs must attend the full live activity and successfully complete the web-based posttest for the activity by November 30, 2016. Partial credit is not available for this activity.*

- |            |   |
|------------|---|
| 8:30 a.m.  | Introduction<br><i>Courtney A. Kain, Pharm.D., BCPPS</i><br>Clinical Pharmacist, Nova Women's & Children's Hospital, Falls Church, Virginia   |
| 8:45 a.m.  | Pediatric Epilepsy Basics<br><i>Andrea Calvert, Pharm.D.</i><br>Clinical Pharmacy Specialist, Texas Children's Hospital, Houston, Texas   |
| 9:15 a.m.  | Acute Management of Status Epilepticus (ED through ICU)<br><i>Chanelle Stidham, Pharm.D., BCPS</i><br>Pediatric ICU/Neuroscience Trauma Unit, Primary Children's Hospital, Salt Lake City, Utah |
| 10:45 a.m. | Break   |
| 11:00 a.m. | Antiepileptic Medications: Part I<br><i>Ellen Lin, Pharm.D., BCPS</i><br>Clinical Pharmacist, General Pediatrics, Children's Memorial Hermann Hospital, Houston, Texas                          |
| Noon       | Lunch (on your own)   |
| 1:30 p.m.  | Antiepileptic Medications: Part II<br><i>Ellen Lin, Pharm.D., BCPS</i>  |
| 2:15 p.m.  | Pharmacoresistent Epilepsy Treatments: Ketogenic Diet and Beyond<br><i>Andrea Calvert, Pharm.D.</i>   |
| 3:15 p.m.  | Break   |

3:30 p.m. Panel Discussion  
*Andrea Calvert, Pharm.D.*  
*Courtney A. Kain, Pharm.D., BCPPS*  
*Ellen Lin, Pharm.D., BCPS*  
*Chanelle Stidham, Pharm.D., BCPS*

4:15 p.m. Closing Remarks  
*Courtney A. Kain, Pharm.D., BCPPS*

4:30 p.m. Adjourn

8:30 a.m. – 4:30 p.m.  
 Regency Ballroom 3



**2016 From Theory to Practice: Clinical Reasoning Series  
 in Pharmacotherapy—Updates in Challenging Infectious  
 Diseases**

Activity No. 0217-0000-16-109-L01-P

*Approved for 6.0 hours of BCPS recertification credit*

*The Clinical Reasoning Series is approved by the Board of Pharmacy Specialties for the recertification of Board Certified Pharmacotherapy Specialists (BCPSs). To earn recertification credit for the Clinical Reasoning Series, BCPSs must attend the full live activity and successfully complete the web-based posttest for the activity by November 30, 2016. Partial credit is not available for this activity.*

8:30 a.m. Introduction  
*Elizabeth A. Coyle, Pharm.D., FCCM, BCPS*  
 Assistant Dean of Assessment and Clinical Associate Professor of Infectious Diseases, University of Houston College of Pharmacy; Adjunct Assistant Professor, Department of Infectious Diseases, Infection Control and Employee Health, and Clinical Pharmacy Specialist at the University of Texas MD Anderson Cancer Center, Houston, Texas

8:45 a.m. Treatment of Fungal Infections  
*Nicholas Beyda, Pharm.D., BCPS*  
 Research Assistant Professor, University of Houston College of Pharmacy, Houston, Texas

10:15 a.m. Break

10:30 a.m. Update on Treatment of Endocarditis, Meningitis, and Intra-abdominal Infections  
*Jessica Cottreau, Pharm.D., BCPS*  
 Associate Professor, Pharmacy Practice Department, Rosalind Franklin University College of Pharmacy, Chicago, Illinois

Noon	Lunch (on your own)
1:30 p.m.	<p>Best Practices in the Management of Resistant Gram-negative Infections</p> <p><i>Jason M. Pogue, Pharm.D., BCPS</i></p> <p>Clinical Pharmacist, Infectious Diseases, Sinai-Grace Hospital, Detroit, Michigan</p>
3:00 p.m.	Break
3:15 p.m.	<p>Patient Cases/Panel Discussion</p> <p><i>Nicholas Beyda, Pharm.D., BCPS</i></p> <p><i>Jessica Cottreau, Pharm.D., BCPS</i></p> <p><i>Elizabeth A. Coyle, Pharm.D., FCCM, BCPS</i></p> <p><i>Jason M. Pogue, Pharm.D., BCPS</i></p>
4:15 p.m.	<p>Closing Remarks</p> <p><i>Elizabeth A. Coyle, Pharm.D., FCCM, BCPS</i></p>
4:30 p.m.	Adjourn

9:00 a.m. – 9:30 a.m.  
Great Hall 1



**ACCP Clinical Pharmacy Challenge—  
Student Competition Quarterfinal A**

Purdue University College of Pharmacy vs. Southern Illinois University Edwardsville School of Pharmacy

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.

9:45 a.m. – 10:15 a.m.  
Great Hall 1



**ACCP Clinical Pharmacy Challenge—  
Student Competition Quarterfinal B**

University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences vs. University of the Sciences Philadelphia College of Pharmacy

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.

10:30 a.m. – 11:00 a.m.  
Great Hall 1



**ACCP Clinical Pharmacy Challenge—  
Student Competition Quarterfinal C**

University of Rhode Island College of Pharmacy vs. East  
Tennessee State University Bill Gatton College of Pharmacy

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.

1:00 a.m. – 11:45 a.m.  
Great Hall 1



**ACCP Clinical Pharmacy Challenge—  
Student Competition Quarterfinal D**

Union University School of Pharmacy vs. Oregon State University  
College of Pharmacy

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.



1:00 p.m. – 5:00 p.m.  
Regency Ballroom 1



### Research Basics

Activity No. 0217-0000-13-106-L04-P

*Part of the Research and Scholarship Certificate Program core programming, the Research Basics module will introduce participants to study designs for clinical, observational, educational, health services, and implementation science projects. Faculty will review methodologies, subject selection, data analysis, and resource considerations for each design. Participants will use the small-group discussion to complete a worksheet addressing these items for their research projects. This worksheet will facilitate participants' completion of the portfolio requirements for this module.*

Faculty: *Jimmi Hatton Kolpek, Pharm.D., FCCP, FCCM*  
Professor of Pharmacy, College of Pharmacy, Department of Pharmacy Practice and Science, University of Kentucky, Lexington, Kentucky

*Gary L. Cochran, Pharm.D., S.M.*  
Assistant Professor of Pharmacy Practice, University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska

*Mary T. Roth McClurg, Pharm.D., MHS, FCCP*  
Associate Professor, Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina

and

*Jacqueline McLaughlin, Ph.D., M.S.*  
Assistant Professor, Educational Innovation and Research; Director, Office of Strategic Planning and Assessment, UNC Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina

1:00 p.m.	Clinical Research Study Study Designs
1:30 p.m.	Observational Research Study Designs
2:15 p.m.	Break
2:30 p.m.	Educational Research Designs
3:15 p.m.	Health Services/Implementation Science Study Designs
4:00 p.m.	Small Groups (Worksheet)
5:00 p.m.	Adjourn

1:00 p.m. – 5:00 p.m.  
Regency Ballroom 2



### Teaching and Learning Primer

Activity No. 0217-0000-16-157-L04-P

*Part of the Teaching and Learning Certificate Program core programming, this prerequisite module is designed to introduce new clinical faculty and preceptors to the basic "essentials" of teaching. "Basic" here refers not to elementary materials and methods but to foundational principles that undergird teaching in classroom and clinical settings.*

*This module must be completed before other programming.*

Faculty: *Krystal K. Haase, Pharm.D., FCCP, BCPS*  
Associate Professor, Head of the Adult Medicine Division,  
Department of Pharmacy Practice, Texas Tech University Health  
Sciences Center School of Pharmacy, Amarillo, Texas

*Daniel S. Longyhore, Pharm.D., BCACP*  
Associate Professor of Pharmacy Practice, Wilkes University,  
Wilkes-Barre, Pennsylvania; Ambulatory Care Pharmacist, St.  
Luke's Hospital & Health Network, Bethlehem, Pennsylvania

and

*Thomas D. Zlatic, Ph.D.*  
Professor, St. Louis College of Pharmacy, St. Louis, Missouri

1:00 p.m.	Topics in Higher Education
1:10 p.m.	Teaching as a Profession
1:35 p.m.	Teaching Portfolio
2:00 p.m.	STEP 1: Learning Outcomes
2:45 p.m.	Ability Outcomes/Critical Thinking
3:00 p.m.	Break
3:10 p.m.	STEP 2: Practice Opportunities
4:00 p.m.	STEPS 3 – 4: Criteria and Assessment Feedback
4:25 p.m.	Putting It All Together
4:50 p.m.	ACCP Portfolio/Questions
5:00 p.m.	Adjourn

1:00 p.m. – 6:30 p.m.  
Great Hall 5



### Chart the Course of Your Professional Future

*This program is designed for residents, fellows, and new practitioners. Enjoy an interactive ½-day program that combines dynamic faculty with captivating content that will help you prepare to acquire your next position and lay the groundwork for a successful professional future.*

1:00 p.m.

Developing a Personal Strategic Plan  
Activity No. 0217-0000-16-152-L04-P

*Ila M. Harris, Pharm.D., FCCP, BCPS*  
Professor, University of Minnesota Medical School,  
Minneapolis, Minnesota

2:15 p.m.

Seven Figure Pharmacist: Transform Your Income into Wealth  
This presentation is not available for CPE credit

*Timothy R. Ulbrich, Pharm.D., RPh*  
Associate Dean, Workforce Development and Practice  
Advancement; Associate Professor of Pharmacy Practice,  
Northeast Ohio Medical University, Rootstown, Ohio

4:15 p.m.

Taking a Scholarly Approach to Your Clinical Practice  
Activity No. 0217-0000-16-153-L04-P

*Robert L. Page II, Pharm.D., MSPH, FCCP, FASHP, FAHA, BCPS, CGP*  
Professor of Clinical Pharmacy and Physical Medicine,  
University of Colorado Anschutz Medical Campus, Skaggs  
School of Pharmacy and Pharmaceutical Sciences, Aurora,  
Colorado

5:15 p.m.

Facilitating Your Own Professional Development  
Activity No. 0217-0000-16-154-L04-P

*Joseph J. Saseen, Pharm.D., FCCP, FASHP, BCPS, BCACP*  
Professor and Vice Chair, Clinical Pharmacy; Professor, Family  
Medicine, University of Colorado Anschutz Medical Campus,  
Skaggs School of Pharmacy and Pharmaceutical Sciences,  
Aurora, Colorado

6:30 p.m.

Adjourn



1:00 p.m. – 7:00 p.m.  
Great Hall 3



## **Emerge from the Crowd: How to Become a Standout Residency Candidate**

*This program is intended for pharmacy students planning to pursue postgraduate residency training. This event is included with a paid student meeting registration.*

1:00 p.m.

Sneak Peek at a Standout Residency Candidate  
*Frank P. Paloucek, Pharm.D., DABAT, FASHP*  
Clinical Professor and Director, PGY1 Pharmacy Residency Program, University of Illinois at Chicago College of Pharmacy, Chicago, Illinois

2:30 p.m.

The Residency Application Process  
*Beth Bryles Phillips, Pharm.D., FCCP, BCPS*  
Residency Program Director, UGA College of Pharmacy, Athens, Georgia

4:15 p.m.

Effective Presentations: Tips, Tricks, and Tactics  
*Tamara Malm, Pharm.D., MPH, BCPS*  
Assistant Professor of Pharmacy Practice & Administration, University of Saint Joseph School of Pharmacy, Hartford, Connecticut

5:30 p.m.

Resident Roundtables

2:00 p.m. – 7:00 p.m.  
Great Hall Foyer

## **General Meeting Registration**

4:00 p.m. – 6:30 p.m.  
Great Hall 6

## **PRN Officers Meeting** *By invitation only.*

7:00 p.m. – 8:00 p.m.  
Great Hall 3

## **Student and Resident Reception** *Student and resident registrants are invited to meet ACCP officers and leaders. Light hors d'oeuvres will be served.*

7:00 p.m. – 10:00 p.m.  
Atlantic Ballroom

## **2016 ACCP Annual Fellows Dinner** *By invitation only.*



ACCP Fellows Address—We Have Come a Long Way from the Hospital Basement  
*Leslie Hendeles, Pharm.D., FCCP*  
Emeritus Professor, College of Pharmacy, Department of Pediatrics, University of Florida, Gainesville, Florida  
Founding ACCP Member

40<sup>th</sup> Anniversary  
**bps**  
1976–2016

*ACCP would like to congratulate the Board of Pharmacy Specialties on their 40-year anniversary and thank them for their support of the 2016 ACCP Fellows Dinner.*

## 2016 ACCP Annual Meeting Agenda

### Sunday, October 23, 2016

6:30 a.m. – 6:00 p.m.  
Great Hall Foyer

**Meeting Registration, ACCP Bookstore, and Cyber Café**

7:00 a.m. – 6:00 p.m.  
Room 201

**Meditation and Prayer Room**

8:00 a.m. – 9:30 a.m.  
Grand Ballroom West

**ACCP Residency and Fellowship Forum, I**

*Searching for a residency or fellowship position? This event offers prospective clinical pharmacists who are just starting their careers a chance to jump-start their search for a position. Likewise, preceptors can get a head start on finding the right candidate for their institution. Opportunities for both PGY1 and PGY2 residency positions and fellowship positions will be on display at this event. Take advantage of this early opportunity to meet with residency preceptors or potential residents face to face. Searchable online listings will offer individuals a sneak peek at the available positions and candidates before the meeting.*

See page 8 for details.

8:00 a.m. – noon  
Great Halls 1 & 2

**Opening General Session**

Moderator: *Terry L. Seaton, Pharm.D., FCCP, BCPS*  
ACCP President; Professor, St. Louis College of Pharmacy, St. Louis, Missouri



8:00 a.m.

**Keynote Address: Patient- and Family-Centered Health Care: What It REALLY Is and Why It REALLY Matters!**

Activity No. 0217-0000-16-112-L04-P

*Hala Durrah*

Family Caregiver and Patient Family Centered Care, Advocate/  
Consultant, Patient-Centered Primary Care Collaborative,  
Washington, D.C.



*Christine Bechtel, M.A.*

President & CEO, Bechtel Health Advisory Group, Washington, D.C.



8:55 a.m.

**Presentation of ACCP Awards**

New Educator Award

*Kelly A. Cochran, Pharm.D., BCPS*

Clinical Associate Professor, Division of Pharmacy Practice and Administration, University of Missouri-Kansas City School of Pharmacy, Kansas City, Missouri



New Clinical Practitioner Award

*Mate M. Soric, Pharm.D., BCPS*

Associate Professor of Pharmacy Practice, Northeast Ohio Medical University College of Pharmacy, Rootstown, Ohio



New Investigator Award/Lecture—Drug Carriers in Cancer: Have Liposomes “Delivered” Their Promises?

Activity No. 0217-0000-16-186-L04-P

*Ninh (Irene) M. La-Beck, Pharm.D.*

Assistant Professor, Department of Immunotherapeutics and Biotechnology, Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy; Assistant Director for the Biotechnology Program, TTUHSC Graduate School of Biomedical Sciences, Abilene, Texas



ACCP Education Award

*Kristi W. Kelley, Pharm.D., FCCP, BCPS, BC-ADM, CDE*

Associate Clinical Professor, Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy; Clinical Pharmacist, Continuity Clinics, Brookwood Baptist Internal Medicine Residency Training Program, Birmingham, Alabama



ACCP Clinical Practice Award

*Daniel M. Witt, Pharm.D., FCCP, BCPS*

Professor and Vice Chair, Department of Pharmacotherapy, University of Utah, Salt Lake City, Utah



ACCP Russell R. Miller Award

*Rhonda M. Cooper-DeHoff, Pharm.D., M.S., FCCP, FAHA, FACC*

Associate Professor, University of Florida, Gainesville, Florida



Robert E. Elenbaas Service Award

*Stuart T. Haines, Pharm.D., BCPS, BCACP, BC-ADM*

Professor and Director, Division of Pharmacy Professional Development, University of Mississippi School of Pharmacy, Jackson, Mississippi



Paul F. Parker Medal for Distinguished Service to the  
Profession of Pharmacy  
*Robert A. Blouin, Pharm.D., FCCP*  
Dean, University of North Carolina, School of Pharmacy,  
Chapel Hill, North Carolina

10:00 a.m.

Break

10:15 a.m.

Outgoing President's Address  
*Terry L. Seaton, Pharm.D., FCCP, BCPS*  
Professor of Pharmacy Practice, St. Louis College of Pharmacy,  
St. Louis, Missouri



Incoming President's Address  
*Marcia L. Buck, Pharm.D., FCCP, FPPAG, BCPPS*  
Clinical Coordinator, University of Virginia Children's Hospital,  
Charlottesville, Virginia

Therapeutic Frontiers Award Lecture—Antimicrobial  
Combination Therapy for Life-Threatening Bacterial Infections;  
A Bedside to Bench Approach  
Activity No. 0217-0000-16-179-L01-P



*Michael J. Rybak, Pharm.D., MPH, FCCP*  
Associate Dean for Research, Professor of Pharmacy and  
Medicine, Director, Anti-infective Research Laboratory, Wayne  
State University, Detroit, Michigan

11:20 a.m.

Research Institute Presentation and Recognition

11:40 a.m.

Recognition of New Fellows of the American College of  
Clinical Pharmacy

10:00 a.m. – 11:30 a.m.  
Grand Ballroom West

### **ACCP Residency and Fellowship Forum, II**

*This event offers prospective clinical pharmacists who are just starting their careers a chance to jump-start their search for a position. Candidates, visit [www.accp.com/forum15](http://www.accp.com/forum15) for the list of position openings.*

Noon – 2:00 p.m.  
Diplomat Ballroom

### **ACCP Committee and Task Force Luncheon and Meetings**

*By invitation only.*

1:00 p.m. – 2:30 p.m.  
Grand Ballroom East

### **Scientific Poster Presentations, I**

*Presenters may begin hanging their posters at 12:30 p.m. Posters will remain on display until 2:30 p.m.*

1:30 p.m. – 3:00 p.m.  
Great Hall 3



**Conducting Practice-Based Research to Improve Patient Care**  
Activity No. 0217-0000-16-113-L04-P

*This session is available for elective credit for ACCP Academy's Research and Scholarship Certificate Program. Enrollees must sign the sign-in sheet provided and claim CPE for the session to earn Academy credit.*

Moderator: *Travis King, Pharm.D., BCPS*  
Assistant Professor of Pharmacy Practice, University of Mississippi  
School of Pharmacy, Jackson, Mississippi

1:30 p.m.

Finding the Link Between Clinical Practice and the Research Hypothesis

*Daniel M. Witt, Pharm.D., FCCP, BCPS*

Professor and Vice Chair, Department of Pharmacotherapy,  
University of Utah, Salt Lake City, Utah

2:30 p.m.

Designing a Quality Study to Improve Patient Outcomes  
*Susan L. Davis, Pharm.D.*

Associate Professor, Pharmacy Practice, Eugene Applebaum  
College of Pharmacy and Health Sciences, Wayne State  
University, Detroit, Michigan

2:15 p.m. – 4:00 p.m.  
Great Hall 5

**Clinical Pharmacy Career Path Roundtables**

*Join fellow attendees for this dynamic session with insights on career pathways and opportunities within the clinical pharmacy profession. Students and postgraduate trainees will interact directly with clinical pharmacists in over 15 specialty practice areas and discover a variety of unique career opportunities.*

2:15 p.m.

Academia

*Katie S. McClendon, Pharm.D., BCPS*

Clinical Associate Professor and Director of Student Affairs  
of Pharmacy Practice; Assistant Dean for Student Services,  
University of Mississippi at the Medical Center, Jackson,  
Mississippi

2:15 p.m.

Advocacy/Health Policy

2:15 p.m.

Adult Medicine

*Sarah L. Anderson, Pharm.D., BCPS*

Associate Professor, University of Colorado Anschutz Medical  
Campus, Skaggs School of Pharmacy and Pharmaceutical  
Sciences, Aurora, Colorado

2:15 p.m.	<p>Ambulatory Care <i>Daniel M. Riche, Pharm.D., BCPS, CDE</i> Associate Professor of Pharmacy Practice, University of Mississippi School of Pharmacy; Assistant Professor of Medicine, University of Mississippi Medical Center, Jackson, Mississippi</p>
2:15 p.m.	<p>Cardiology <i>Toni L. Ripley, Pharm.D., BCPS-AQ Cardiology</i> Associate Professor; University of Oklahoma College of Pharmacy, Oklahoma City, Oklahoma</p>
2:15 p.m.	<p>Clinical Administration <i>Tamara Malm, Pharm.D., MPH, BCPS</i> Assistant Professor of Pharmacy Practice &amp; Administration University of Saint Joseph School of Pharmacy, Hartford, Connecticut</p>
2:15 p.m.	<p>Critical Care/EMED <i>Megan E. Musselman, Pharm.D., BCPS, BCCCP</i> Clinical Pharmacist Specialist, Emergency Medicine/Critical Care, North Kansas City Hospital, Kansas City, Missouri</p>
2:15 p.m.	<p>Endocrinology <i>Michelle L. Rager, Pharm.D., BCPS, CDE</i> Associate Professor of Pharmacy Practice, Shenandoah University School of Pharmacy, Winchester, Virginia</p>
2:15 p.m.	<p>Geriatrics <i>Amber N. McLendon, Pharm.D., BCPS</i> Assistant Professor, Department of Pharmacy Practice, Campbell University College of Pharmacy and Health Sciences; Geriatrics Clinical Pharmacy Specialist, Glenaire, Inc., Cary, North Carolina</p>
2:15 p.m.	<p>Hematology/Oncology <i>David L. DeRemer, Pharm.D., BCOP</i> Clinical Associate Professor, PGY2 Oncology Residency Program Director, University of Georgia, Augusta, Georgia</p>
2:15 p.m.	<p>Immunology/Transplantation <i>Barrett R. Crowther, Pharm.D., BCPS</i> Clinical Pharmacist, Pediatrics &amp; Solid Organ Transplant, University Health System, San Antonio, Texas</p>

- 2:15 p.m. Infectious Diseases  
*Christopher M. Bland, Pharm.D., BCPS, FIDSA*  
Clinical Associate Professor, University of Georgia College of Pharmacy, Southeast Georgia Campus, Savannah, Georgia
- 2:15 p.m. Pediatrics  
*Christina Cox, Pharm.D., BCPS, BCPPS*  
Assistant Professor-Pediatrics, South Carolina College of Pharmacy, Columbia, South Carolina
- 2:15 p.m. Pharmaceutical Industry  
*Sandra Chase, Pharm.D., FCCP*  
Cardio-Renal Medical Science Liaison MI/OH/KY, Otsuka Medical Affairs, Otsuka America Pharmaceutical, Inc., Princeton, New Jersey
- 2:15 p.m. Psychiatry/CNS  
*Stephanie D. Nichols, Pharm.D., BCPS, BCPP*  
Associate Professor of Pharmacy Practice, School of Pharmacy, Husson University, Bangor, Maine
- 2:15 p.m. Research and Scholarship  
*Jeffrey R. Bishop, Pharm.D., M.S., BCPP*  
Associate Professor, University of Minnesota, Department of Experimental and Clinical Pharmacology, College of Pharmacy, Minneapolis, Minnesota
- 2:30 p.m. – 4:15 p.m. **ACCP Annual Business Meeting and Town Hall**  
Great Halls 1 & 2  
See page 12 for details.
- 3:15 p.m. – 4:45 p.m. **Speaking the Language of the C-Suite—How to Justify Clinical Pharmacy Services to Administrators and Consultants**  
Great Hall 3  
Activity No. 0217-0000-16-114-L04-P  
  
Moderator: *Emily L. Heil, Pharm.D., BCPS-AQ ID*  
Clinical Assistant Professor, University of Maryland School of Pharmacy, Baltimore, Maryland
- 3:15 p.m. The Consultants Have Arrived. Now What?  
*Scott Mark, Pharm.D., FACHE*  
National Pharmacy Practice Director, Pricewaterhouse Coopers, Pittsburgh, Pennsylvania
- 4:00 p.m. Maximizing Impact Through Presentation: A Primer on Demonstrating Value in Clinical Pharmacy Services  
*Curtis E. Haas, Pharm.D., FCCP, BCPS*  
Director of Pharmacy, University of Rochester Medical Center, Rochester, New York

3:30 p.m. – 5:00 p.m.  
Grand Ballroom East

### **Scientific Poster Presentations, II**

Presenters may begin hanging their posters at 2:30 p.m.  
Posters will remain on display until 5:00 p.m.

See page 132 for details.

4:30 p.m. – 5:00 p.m.  
Great Hall 1 & 2



### **ACCP Clinical Pharmacy Challenge— Student Competition Semifinal A**

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.

4:30 p.m. – 6:00 p.m.  
Great Hall 4



### **Professional Development Roundtable Session**

*Join your pharmacy colleagues in residency and fellowship programs for this exciting session centered on topics that will guide you through many of your early career transitions. In addition, advance your career knowledge by sitting down with experts in the field of clinical pharmacy and get answers to your questions regarding precepting, faculty positions, board certification, fellowships, and research.*

Facilitators: *Jerry L. Bauman, Pharm.D., FCCP, BCPS*  
Dean and Professor, UIC College of Pharmacy, Rockford Campus,  
Rockford, Illinois

*Brian A. Hemstreet, Pharm.D., FCCP, BCPS*  
Assistant Dean for Student Affairs; Associate Professor, Regis  
University School of Pharmacy, Rueckert-Hartman College for  
Health Professions, Denver, Colorado

*Judith Jacobi, Pharm.D., FCCP, BCPS*  
Critical Care Pharmacy Specialist, Methodist Hospital, Clarion  
Health, Indianapolis, Indiana

*Eric J. MacLaughlin, Pharm.D., FCCP, FASHP, BCPS*  
Professor and Chair, Department of Pharmacy Practice; Professor,  
Departments of Family Medicine and Internal Medicine, Texas  
Tech University Health Sciences Center, Amarillo, Texas

*Beth Bryles Phillips, Pharm.D., FCCP, BCPS*  
Residency Program Director, UGA College of Pharmacy, Athens,  
Georgia

*Nancy L. Shapiro, Pharm.D., FCCP, BCPS*  
Clinical Associate Professor, Department of Pharmacy Practice,  
University of Illinois at Chicago College of Pharmacy; Operations  
Coordinator and Clinical Pharmacist, Antithrombosis Clinic,  
University of Illinois Hospital & Health Sciences System, Chicago,  
Illinois



5:15 p.m. – 5:45 p.m.  
Great Halls 1 & 2

**ACCP Clinical Pharmacy Challenge—  
Student Competition Semifinal B**

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean,  
University of Arizona, Tucson, Arizona

See page 15 for details.

6:00 p.m. – 9:00 p.m.  
South Palm Court

**ACCP Opening Reception**

All meeting attendees are invited to attend. Light hors d'oeuvres  
will be served.



## Monday, October 24

7:00 a.m. – 6:00 p.m. Great Hall Foyer	<b>Meeting Registration, ACCP Bookstore, and Cyber Café</b>
7:00 a.m. – 6:00 p.m. Room 201	<b>Meditation and Prayer Room</b>
7:30 a.m. – 10:30 a.m. Rooms 312 & 313	<b>Pharmacotherapy Editorial Board Meeting</b> <i>By invitation only.</i>
8:00 a.m. – 9:00 a.m. Great Hall Foyer/ Bookstore	<b>ACCP Self-Assessment Programs—Ask the Editors’ Coffee Hour</b>
8:30 a.m. – 10:00 a.m. Diplomat Ballrooms 1 & 2	<b>ACCP Student Chapter Forum</b> <i>An open forum for student chapter officers, faculty, student liaisons, and anyone else interested in learning more about ACCP student chapters. This session is intended to facilitate an open discussion and review student chapter formation, achievements, successes, and challenges with the aim to spread and share ideas and strategies between student chapters.</i>
9:15 a.m. – 10:45 a.m. Great Hall 5	<b>Challenging Disease States—An Update on Management from the Provider and Patient Perspective</b> Activity No. 0217-0000-16-117-L01-P  Moderator: <i>Patricia Pecora Fulco, Pharm.D., BCPS</i> Clinical Pharmacy Specialist in Internal Medicine/HIV, Clinical Associate Professor of Pharmacy, Virginia Commonwealth University, Richmond, Virginia
9:15 a.m.	Updates on the Management of Breast Cancer—Provider Perspective <i>Patricia Corrigan, Pharm.D., BCOP</i> Clinical Oncology Pharmacist, VCU Department of Pharmacy, Richmond, Virginia
10:00 a.m.	Updates on the Management of Breast Cancer—Patient Perspective <i>Angela T. Cassano, Pharm.D., BCPS</i> Consultant, Pharmfusion Consulting, LLC, Midlothian, Virginia

9:15 a.m. – 10:45 a.m.  
Great Hall 1 & 2



### **Expanding Pharmacy Impact: Transitional Care Management and Chronic Care Management**

Activity No. 0217-0000-16-118-L04-P

Moderator: *Kim L. Kelly, Pharm.D., FCCP, BCPS*  
President, Kelly Diabetes Associates, LLC, Cupertino, California

9:15 a.m.

Transitional Care Management: Benefits to Patients and Providers

*Christie A. Schumacher, Pharm.D., BCPS, BCACP*

Associate Professor, Midwestern University Chicago College of Pharmacy, Chicago, Illinois

10:00 a.m.

CCM—Addressing the Needs of Chronic Care Patients ... Finally!

*Mary Elizabeth B. Shilliday, Pharm.D.*

Director of the Advanced Practice Provider (APP) Center, Assistant Medical Director of the Internal Medicine Clinic, University of North Carolina, Chapel Hill, North Carolina

9:15 a.m. – 10:45 a.m.  
Great Hall 3



### **Hyperlipidemia and COPD: 2 Old Problems with New Therapies and Goals**

Activity No. 0217-0000-16-116-L01-P

Moderator: *E. Kelly Hester, Pharm.D., FCCP, BCPS*  
Associate Clinical Professor, Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Auburn, Alabama

9:15 a.m.

Is 50 the New 70? Exploring the Value of Intensified LDL Reduction with PCSK-9 Inhibitors and Ezetimibe

*Tran H. Tran, Pharm.D., BCPS*

Associate Professor, Midwestern University, Chicago College of Pharmacy, Downers Grove, Illinois

10:00 a.m.

Update in COPD Pharmacotherapy: Is New Better?

*Christopher K. Finch, Pharm.D., BCPS*

Director of Pharmacy, Methodist University Hospital; Associate Professor, University of Tennessee, College of Pharmacy, Memphis, Tennessee

9:15 a.m. – 10:45 a.m.  
Great Hall 4

### **Preceptor Development: Training for Transition to Practice**

Activity No. 0217-0000-16-115-L04-P

Moderator: *Roland N. Dickerson, Pharm.D., FCCP, BCNSP*  
Professor of Clinical Pharmacy, University of Tennessee College of Pharmacy, Memphis, Tennessee

9:15 a.m. Closing the Gap—Targeting Health-System Pharmacy Practice in Experiential Education  
*Toral Patel, Pharm.D., BCPS*  
 Assistant Professor, University of Colorado Anschutz Medical Campus, University of Colorado Hospital Department of Pharmacy, Aurora, Colorado

10:00 a.m. Improving Student Pharmacy Practice Skills as Pharmacist Extenders  
*Kristi W. Kelley, Pharm.D., FCCP, BCPS, BC-ADM, CDE*  
 Associate Clinical Professor, Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy; Clinical Pharmacist, Continuity Clinics, Brookwood Baptist Internal Medicine Residency Training Program, Birmingham, Alabama

9:15 a.m. – 11:15 a.m. **ACCP Advocacy, Health Policy and Interprofessional Affairs: Expanding and Integrating ACCP's Washington Activities**  
 Regency Ballroom 2

*Learn how the expansion of ACCP's Government and Professional Affairs staff and our enhanced capabilities in Washington contribute directly to ACCP's commitment to practice transformation and the College's longer-term strategic goals. Find out how you can get involved through grassroots advocacy and the ACCP-PAC.*

For more information, contact John McGlew at (202) 621-1820 or [jmcglew@accp.com](mailto:jmcglew@accp.com).

9:15 a.m. – 11:45 a.m. **Leadership Primer, II**  
 Regency Ballroom 1 Activity No. 0217-0000-14-139-L04-P



*Part of the Leadership and Management Certificate Program core programming, this module is intended for enrollees who attended the premeeting module, Leadership Primer, I, on Saturday, October 22. Certificate program enrollees must attend Part I to receive Academy credit for this module.*

*Faculty: Peter Hurd, Ph.D.*  
 Professor and Department Chair of Pharmaceutical and Administrative Sciences, St. Louis College of Pharmacy, St. Louis, Missouri

and

*Robert E. Smith, Pharm.D.*  
 Professor Emeritus, Harrison School of Pharmacy, Auburn University, Auburn, Alabama

9:15 a.m. – 11:15 a.m.  
Regency Ballroom 3



**Wikipedia—Learning Locally While Contributing Globally**  
Activity No. 0217-0000-16-185-L04-P

*Part of the ACCP Academy Teaching and Learning Certificate Program. To obtain more information or to enroll, visit the website at [www.accp.com/academy](http://www.accp.com/academy).*

Faculty: *Michael J. De Guia, Pharm.D.*  
PGY1 Resident, Kaiser Permanente Panorama City Medical Center, Panorama City, California

9:15 a.m. – 11:15 a.m.  
Great Hall 6

**Implementation Science: Application to CMM**  
Activity No. 0217-0000-16-195-L04-P

Faculty: *Mary T. Roth McClurg, Pharm.D., MHS, FCCP*  
Associate Professor, Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina

*Caryn Sabourin Ward, Ph.D.*  
Senior Implementation Specialist, National Implementation Research Network, University of North Carolina, Chapel Hill, North Carolina

and

*Todd D. Sorensen, Pharm.D.*  
Professor and Associate Department Head, University of Minnesota, Minneapolis, Minnesota

11:00 a.m. – 11:30 a.m.  
Great Hall 1 & 2



**ACCP Clinical Pharmacy Challenge—  
Student Competition Final**

Moderator: *John E. Murphy, Pharm.D., FCCP, FASHP*  
Professor of Pharmacy Practice and Science and Associate Dean, University of Arizona, Tucson, Arizona

See page 15 for details.

11:30 a.m. – 1:15 p.m.  
Grand Ballroom

**Scientific Poster Presentations, III and Lunch**

*Presenters may begin hanging their posters at 10:30 a.m. Posters will remain on display until 1:15 p.m.*

*Boxed lunches available between 11:30 a.m. and 1:00 p.m., or while supplies last.*

11:45 a.m. – 1:00 p.m.  
Room 307

Dean's Luncheon  
*By invitation only.*

1:30 p.m. – 3:00 p.m.  
Great Halls 1 & 2

**Adult Medicine PRN Focus Session—An Update to the Management of Acute Bacterial Skin and Skin Structure Infections: What Is the Utility of the New Agents?**

Activity No. 0217-0000-16-120-L01-P

Moderator: *Kurt Wargo, Pharm.D., BCPS*

Regional Dean and Associate Professor of Pharmacy, Wingate University Hendersonville Health Sciences Center, Hendersonville, North Carolina

1:30 p.m.

Acute Bacterial Skin and Skin Structure Infections: A Review of the Pathophysiology and Epidemiology and Relevance of Current Guidelines

*Douglas N. Fish, Pharm.D., FCCP, BCPS*

Professor and Chair, Department of Clinical Pharmacy, Department of Pharmacy, University of Colorado Anschutz Medical Campus, Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, Colorado

2:00 p.m.

The Treatment of ABSSSIs Caused by MRSA: Should New Agents Be First-line Therapy?

*Sandy J. Estrada, Pharm.D., BCPS*

Pharmacy Clinical Specialist, Infectious Diseases; PGY2 Infectious Diseases Program Director, Lee Memorial Health System, Fort Myers, Florida

2:30 p.m.

The Treatment of ABSSSIs Caused by MRSA: If It Ain't Broke, Don't Try to Fix It!

*Katherine T. Lusardi, Pharm.D., BCPS-AQ ID*

Antimicrobial Stewardship Pharmacist, UAMS Medical Center, Little Rock, Arkansas

1:30 p.m. – 3:00 p.m.  
Great Hall 4

**Central Nervous System PRN and Women's Health PRN Focus Session—Special Topics in the Treatment of Depressive Disorders in Women of Reproductive Age**

Activity No. 0217-0000-16-124-L01-P

Moderator: *Stephanie D. Nichols, Pharm.D., BCPS, BCPP*

Associate Professor of Pharmacy Practice, School of Pharmacy, Husson University, Bangor, Maine

1:30 p.m.

Getting in Sync with Treating Premenstrual Dysphoric Disorder  
*Anna K. Morin, Pharm.D.*

Professor of Pharmacy Practice and Interim Dean, MCPHS University School of Pharmacy-Worcester/Manchester, Worcester, Massachusetts

- 1:55 p.m. Using Antidepressants When "Treating for Two"  
*Alicia B. Forinash, Pharm.D., FCCP, BCPS, BCACP*  
Professor of Pharmacy Practice, St. Louis College of Pharmacy,  
St. Louis, Missouri
- 2:20 p.m. Postpartum Depression: Motherhood, Mood, and Medications  
*Patrick R. Finley, Pharm.D., BCPP*  
Professor of Clinical Pharmacy, University of California San  
Francisco, School of Pharmacy, San Francisco, California
- 2:45 p.m. Question and Answer
- 1:30 p.m. – 3:00 p.m. **Clinical Administration PRN—Integrating an Established  
Great Hall 5 Performance Improvement (PI) Method for Implementing  
Change**  
Activity No. 0217-0000-16-121-L01-P  
  
Moderator: *Elizabeth L. Michalets, Pharm.D., FCCP, BCPS*  
Regional Assistant Dean of Clinical Affairs, Mission Health and  
UNC Eshelman School of Pharmacy, University of North Carolina  
(UNC) Eshelman School of Pharmacy, Asheville, North Carolina
- 1:30 p.m. Applying Established Performance Improvement (PI) Methods  
for Accelerating Change on the Frontlines of Care  
*Todd D. Sorensen, Pharm.D.*  
Professor and Associate Department Head, University of  
Minnesota, Minneapolis, Minnesota
- 1:55 p.m. The Weave: Implementing Pharmacist Clinical Prescriptive  
Authorities  
*Harminder Sikand, Pharm.D., FASHP, FCSHP*  
Clinical Director/Residency Director, Scripps Mercy Hospital,  
San Diego, California
- 2:20 p.m. Best Practices and Challenges in Pharmacy Technician–  
Assisted Medication Reconciliation  
*Matthew C. Tanner, Pharm.D., BCPS*  
Clinical Coordinator and Residency Program Director, Salem  
Hospital, Salem, Oregon
- 2:45 p.m. Panel Discussion  
*Harminder Sikand, Pharm.D., FASHP, FCSHP*  
*Todd D. Sorensen, Pharm.D.*  
*Matthew C. Tanner, Pharm.D., BCPS*

1:30 p.m. – 3:00 p.m.  
Great Hall 3

**Education and Training PRN—Integrating Interprofessional Education into Practice**

Activity No. 0217-0000-16-122-L01-P

Moderator: *Andrew J. Smith, Pharm.D., BCPS*  
Clinical Assistant Professor, University of Missouri-Kansas City  
School of Pharmacy, Kansas City, Missouri

1:30 p.m.

Overview of IPE and the ACPE 2016 Key Elements for Interprofessional Education and the IPEC Core Competencies  
*Gloria R. Grice, Pharm.D., BCPS*  
Professor, Pharmacy Practice Director, Experiential Education,  
St. Louis College of Pharmacy, St. Louis, Missouri

2:00 p.m.

Incorporation of IPEs into Practice  
*Sarah P. Shrader, Pharm.D., BCPS*  
Associate Professor, University of Kansas School of Pharmacy,  
University of Kansas Medical Center, Kansas City, Kansas

2:30 p.m.

Assessment of ACPE Key Elements and IPEC Core Competencies  
*David T. Bearden, Pharm.D.*  
Clinical Professor and Chair, Department of Pharmacy Practice;  
Clinical Assistant Director, Department of Pharmacy Services,  
Oregon State University/Oregon Health and Science University  
College of Pharmacy, Portland, Oregon

1:30 p.m. – 3:00 p.m.  
Regency Ballroom 1

**Global Health PRN Focus Session—Underserved Populations in Developed and Underdeveloped Countries: Global Lessons for Pharmacists to Improve Access to Care and Essential Medicines**

Activity No. 0217-0000-16-123-L04-P

Moderators: *Michelle R. Holm, Pharm.D., BCPS*  
Medical Director of Underserved Global Health Education, Mayo  
Clinic, Rochester, Minnesota

and

*Harleen Singh, Pharm.D.*  
Associate Professor, Oregon State University, Portland, Oregon

1:30 p.m.

Underserved Populations: Comparing and Contrasting Global Health Care Disparities  
*Gina Zurick Prescott, Pharm.D., BCPS*  
Clinical Assistant Professor, School of Pharmacy and  
Pharmaceutical Sciences, Buffalo, New York



2:15 p.m. Global Access to Care and Essential Medicines  
*Lauren J. Jonkman, Pharm.D., MPH, BCPS*  
 Assistant Professor, University of Pittsburgh School of  
 Pharmacy, Pittsburgh, Pennsylvania

1:30 p.m. – 3:00 p.m. **Pharmacokinetics/Pharmacodynamics/Pharmacogenomics  
 PRN and Hematology/Oncology PRN Focus Session—From  
 Pharmacogenomic Evidence to Clinical Practice: Getting  
 Personal in Oncology**  
 Activity No. 0217-0000-16-119-L01-P

Moderator: *Bojana Stevich-Heemer, Pharm.D., MEd, M.S., BCOP*  
 Associate Professor, LECOM School of Pharmacy, Erie,  
 Pennsylvania

1:30 p.m. Development and Use of a Molecular Tumor Board  
 to Translate Genetic Results into Patient Treatment  
 Recommendations  
*Jill M. Kolesar, Pharm.D., FCCP, BCPS*  
 Professor, University of Wisconsin, Madison, Wisconsin

2:00 p.m. The Current State of Pharmacogenomic Scientific Evidence  
 and Application into Clinical Practice for Germline Variation  
*Kristine R. Crews, Pharm.D., FCCP, BCPS*  
 Translational Research Laboratory Director, Pharmaceutical  
 Sciences Department, St. Jude Children's Research Hospital,  
 Memphis, Tennessee

2:30 p.m. Utilizing the Electronic Health Record as a Tool for  
 Pharmacogenomic Implementation  
*James Kevin Hicks, Pharm.D., Ph.D.*  
 Personalized Medicine Specialist, Moffitt Cancer Center,  
 Tampa, Florida

2:50 p.m. Question and Answer

1:30 p.m. – 3:30 p.m.  
 Regency Ballroom 2



### **Letter of Intent Writing Workshop**

*Discover the rules for writing the letter of intent, an important  
 piece of your residency application. Find out how your letter  
 of intent can engage the reader and help you rise above other  
 residency candidates.*

Faculty: *Joseph J. Saseen, Pharm.D., FCCP, FASHP, BCPS, BCACP*  
 Professor and Vice Chair, Clinical Pharmacy; Professor, Family  
 Medicine, University of Colorado Anschutz Medical Campus,  
 Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora,  
 Colorado

1:30 p.m. – 3:30 p.m.  
Regency Ballroom 3

**Current Research and Practice: Patient-Centered Team-Based Care**

Activity No. 0217-0000-16-196-L01-P

*Join us for presentations of select contributed original research and clinical pharmacy forum papers. Brief presentations will be immediately followed by audience Q&A and discussion.*

Moderator: *Grace M. Kuo, Pharm.D., Ph.D., MPH*

Professor of Clinical Pharmacy, Associate Dean for Strategic Planning and Program Development, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California, San Diego

1:30 p.m. – 5:00 p.m.  
Room 303

**Pharmacotherapy Scientific Editors Meeting**

*By invitation only.*

3:15 p.m. – 4:45 p.m.  
Great Halls 1 & 2

**Ambulatory Care PRN Focus Session—Leveraging Ambulatory Care Metrics to Drive Comprehensive Medication Management (CMM) and Scholarly Research**

Activity No. 0217-0000-16-125-L04-P

Moderator: *Emily McCoy, Pharm.D., BCACP*

Associate Clinical Professor, Auburn University Harrison School of Pharmacy, Mobile, Alabama

3:15 p.m.

Utilization of Evidence-Based Ambulatory Practice Metrics  
*Todd D. Sorensen, Pharm.D.*

Professor and Associate Department Head, University of Minnesota, Minneapolis, Minnesota

3:55 p.m.

Leveraging Metrics to Drive Comprehensive Medication Management (CMM)

*Mary T. Roth McClurg, Pharm.D., MHS, FCCP*

Associate Professor, Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina

4:35 p.m.

Question and Answer

3:15 p.m. – 4:45 p.m.  
Great Hall 4

**Critical Care PRN Focus Session—We’re Bringing Sepsis Back: Update in Policy and Practice Measures to Improve Sepsis Outcomes**

Activity No. 0217-0000-16-126-L01-P

Moderator: *Scott Bolesta, Pharm.D., BCPS, FCCM*

Associate Professor, Wilkes University, Wilkes-Barre, Pennsylvania

- 3:15 p.m. Resolving Controversies in Fluid Resuscitation and Management in Sepsis  
*Leslie A. Hamilton, Pharm.D., BCPS, BCCCP*  
Associate Professor, Department of Clinical Pharmacy, University of Tennessee Health Science Center, College of Pharmacy, Knoxville, Tennessee
- 3:45 p.m. Early Goal-Directed Therapy: Where Are We Now?  
*Simon Lam, Pharm.D., FCCM, BCPS, BCCCP*  
Medical ICU Clinical Specialist, Cleveland Clinic, Cleveland, Ohio
- 4:15 p.m. Keeping CMS Satisfied: Pharmacist Contributions to Fulfilling Core Measures in Sepsis  
*Garrett Schramm, Pharm.D., BCPS*  
Director of Pharmacy Education and Academic Affairs, Assistant Professor of Pharmacy, College of Medicine, Mayo Clinic, Rochester, Minnesota
- 3:15 p.m. – 4:45 p.m. **Drug Information PRN Focus Session—Keeping Up with Drug Information Resources and Skills: The Effective Utilization of Innovative Drug Information Tools, and Strategies to Evaluate Meta-analyses and Systematic Reviews**  
Regency Ballroom 2  
Activity No. 0217-0000-16-127-L04-P  
  
Moderator: *Andrew M. Abe, Pharm.D.*  
Clinical Assistant Professor of Pharmacy Practice, University of Kansas, Kansas City, Kansas
- 3:15 p.m. Looking Beyond Traditional Drug Information Resources: Making the Most of Innovative Tools in Pharmacy Practice  
*Conor T. Hanrahan, Pharm.D., BCPS*  
Manager, Drug Information Services, Intermountain Healthcare, Salt Lake City, Utah
- 4:00 p.m. Innovative Strategies and Techniques to Evaluate Meta-analyses and Systematic Reviews When Making Patient Care Decisions  
*J. Russell May, Pharm.D., FASHP*  
Clinical Professor, Medical College of Georgia, Augusta, Georgia
- 3:15 p.m. – 4:45 p.m. **Geriatrics PRN Focus Session—Shakin’ Not Stirred: Movement Disorder Assessment and Management**  
Great Hall 6  
Activity No. 0217-0000-16-128-L01-P  
  
Moderator: *Scott Martin Vouri, Pharm.D., MSCI, FASCP, BCPS, CGP*  
Assistant Professor, St. Louis College of Pharmacy, St. Louis, Missouri

3:15 p.m.                      Assessment and Management of Non-Parkinson Movement Disorders  
*Melody Ryan, Pharm.D., MPH, FCCP, BCPS, CGP*  
Professor, University of Kentucky College of Pharmacy,  
Lexington, Kentucky

4:00 p.m.                      Assessment and Management of Movement Disorders with  
Cognitive and Psychiatric Features  
*Jack J. Chen, Pharm.D., FCCP, FASCP, FCPA, BCPS, CGP*  
Professor and Chair, Department of Pharmacy Practice College  
of Pharmacy, Marshall B. Ketchum University, Fullerton,  
California

3:15 p.m. – 4:45 p.m.      **HIV PRN Focus Session—HIV in Special Populations**  
Great Hall 3                      Activity No. 0217-0000-16-129-L02-P

Moderator: *Melissa Badowski, Pharm.D., BCPS, AAHIVP*  
Clinical Assistant Professor, Section of Infectious Diseases  
Pharmacotherapy, University of Illinois at Chicago, College of  
Pharmacy, Illinois Department of Corrections HIV Telemedicine,  
Chicago, Illinois

3:15 p.m.                      Management of HIV/HCV Co-infections  
*Agnes Cha, Pharm.D., BCACP, AAHIVP*  
Associate Professor of Pharmacy Practice, LIU Pharmacy  
Clinical Pharmacy Educator HIV Ambulatory Care, Brooklyn  
Hospital Center, Brooklyn, New York

3:45 p.m.                      Solid Organ Transplantation in the HIV Patient  
*Jennifer Cocohoba, Pharm.D.*  
Professor of Clinical Pharmacy, University of California San  
Francisco, San Francisco, California

4:15 p.m.                      Malignancy in the HIV Patient  
*David L. DeRemer, Pharm.D., BCOP*  
Clinical Associate Professor, PGY2 Oncology Residency  
Program Director, University of Georgia, Augusta, Georgia

3:15 p.m. – 4:45 p.m.      **Pain and Palliative Care PRN Focus Session—Recent  
Great Hall 5                      Advances and Hot Topics in Palliative Medicine**  
Activity No. 0217-0000-16-130-L01-P

Moderator: *Leah Sera, Pharm.D., BCPS*  
Assistant Professor of Pharmacy Practice, University of Maryland  
School of Pharmacy, Baltimore, Maryland

3:15 p.m. Ketamine for Refractory Depression: Evidence for Use and Place in Therapy  
*Suzanne A. Nesbit, Pharm.D., BCPS, CPE*  
 Clinical Pharmacy Specialist, Pain Management and Research Associate, Department of Oncology, Johns Hopkins Hospital, Baltimore, Maryland

3:35 p.m. Opioid-Induced Constipation: Evidence for Targeted Treatments and Place in Therapy  
*Jayne E. Pawasauskas, Pharm.D., BCPS*  
 Clinical Professor, University of Rhode Island College of Pharmacy, East Greenwich, Rhode Island; Clinical Pharmacy Specialist, Pain Management, Kent Hospital, Warwick, Rhode Island

3:55 p.m. Deprescribing: What, When, How, and Why  
*Renee M. Holder, Pharm.D., BCPS*  
 Clinical Specialist, Palliative Care, MedStar Washington Hospital Center, Washington, D.C.

4:15 p.m. Topical Opioids for Pain Management: Evidence for Use and Place in Therapy  
*Sandra L. DiScala, Pharm.D., BCPS*  
 Clinical Pharmacy Specialist, PGY2 Pain Management and Palliative Care Residency Program Director at the West Palm Beach VA Medical Center, West Palm Beach, Florida

3:15 p.m. – 5:15 p.m.  
 Regency Ballroom 1



AMERICAN COLLEGE OF CLINICAL PHARMACY  
**ACADEMY**

**Imposters, Negotiators, Mentors, and Perfectionists: A Journey to Confident Leadership**

Activity No. 0217-0000-16-175-L04-P

*An elective for the Leadership and Management Certificate Program. Attendees need not be enrolled in the program to participate. To learn more about the Leadership and Management Certificate Program, visit [www.accp.com/academy](http://www.accp.com/academy).*

Faculty: *Debbie C. Byrd, Pharm.D., MBA, BCPS*  
 Dean, Bill Gatton College of Pharmacy, East Tennessee State University, Johnson City, Tennessee

3:45 p.m. – 5:00 p.m.  
 Regency Ballroom 3

**Platform Presentations of Best Student Poster, Best Resident or Fellow Poster, and First and Second Place Best Poster**

5:30 p.m. – 6:30 p.m.  
 Room 317

**Pharmacotherapy Reception**

*By invitation only.*

6:00 p.m. – 9:00 p.m.

**PRN Business Meetings and Networking Forums**

All meeting attendees are encouraged to attend these reception-style gatherings.

6:00 p.m.  
Great Hall 6

**Adult Medicine PRN**

Please join the Adult Medicine PRN officers and the PRN's current and prospective members during our business meeting and networking reception. During the meeting, you will have the opportunity to interact with meeting attendees, learn about the PRN, and sign up for committees. We look forward to meeting you!

6:00 p.m.  
Great Hall 5

**Cardiology PRN**

The Cardiology PRN annual business meeting serves as a networking opportunity for meeting attendees who share a practice focus or specific interest in cardiovascular pharmacotherapy practice and/or research. After a brief business meeting, an informal reception will follow to facilitate networking among new and seasoned members, collaboration on PRN-related projects, and poster presentations from select Cardiology PRN members.

6:00 p.m.  
Great Hall 4

**Critical Care PRN**

Join us for the Critical Care PRN business meeting and networking forum, and interact with colleagues while you enjoy hors d'oeuvres and beverages. There will also be a brief summary of PRN activities as well as recognition of several PRN members who will receive PRN awards.

6:00 p.m.  
Room 305

**Drug Information PRN**

Come join us for the Drug Information PRN business meeting! It is a great opportunity to network with your drug information colleagues from around the country and hear about what others are doing in the area of drug information/drug policy. We will brainstorm ideas for collaborative projects and for future drug information programming. In addition, we will report on activities from the various subcommittees over the past year.

6:00 p.m.  
Great Halls 1 & 2

**Education and Training PRN**

In addition to the PRN business meeting, the focus of our forum will be on providing mock interviews to student and resident attendees.

6:00 p.m.  
Regency Ballroom 2

### **Emergency Medicine PRN**

Please join the Emergency Medicine PRN for its business meeting and networking forum. All members and interested meeting attendees are welcome. The business meeting will include an update of PRN activities and initiatives, presentations by our student and resident travel award recipients, and presentations of ways to become involved in the PRN. This is a wonderful opportunity to meet others with shared interests and practices in emergency medicine. Light hors d'oeuvres and beverages will be provided.

6:00 p.m.  
Regency Ballroom 1

### **Endocrine and Metabolism PRN**

New and current members of the Endocrine and Metabolism PRN are invited to attend our annual business meeting and networking forum. There will be a business report, a discussion of current and future projects, and an opportunity to sign up for PRN committees. Recipients of our PRN trainee travel award will each give a brief presentation on an endocrine/metabolism topic.

6:00 p.m.  
Room 303

### **Geriatrics PRN**

Please join the Geriatrics PRN business meeting for an informal reception of networking, planning, and socializing. All who are interested in the care of older adults are welcome. Students and residents are encouraged to attend. Hors d'oeuvres and beverages will be served.

6:00 p.m.  
Room 314

### **Nephrology PRN**

Meeting attendees interested in nephrology are invited to participate in this networking forum. A brief business report of current and future initiatives will be followed by a research presentation from the Nephrology PRN travel award recipient. The meeting will close with an open forum and networking opportunities. Snacks and beverages will be provided.

6:00 p.m.  
Room 301

### **Pain and Palliative Care PRN**

The annual business meeting of the Pain and Palliative Care PRN will offer an opportunity for networking among colleagues in pain- or palliative care-related practice or research. We will review the PRN's activity over the past year and discuss directions for the upcoming year. The student and/or resident travel award recipient will provide a brief presentation of his or her clinical research topic, followed by roundtable discussions and networking opportunities.

6:00 p.m.  
Room 307

### **Pediatrics PRN**

The Pediatrics PRN will conduct its annual business meeting, discussing successes of the past year and future plans for the PRN. Each committee, including the education, research, professional advancement, social media, travel award, and paper committees, will discuss its achievements in response to the year's charges and goals. Updates on the PRN's finances will also be provided to all members present at the meeting. We will also feature presentations by our student and resident research awardees. Additional updates on topics within the pediatric clinical pharmacy environment, including BPS, Research Institute, and other ACCP business reports, will be discussed. To gear up for another great year, please be sure to attend and get involved in one of our committees!

6:00 p.m.  
Room 313

### **Perioperative Care PRN**

Please join us for the Perioperative Care PRN business meeting and networking forum, to meet both current and prospective members who share your practice focus and interest. During this business meeting, you will have the opportunity to learn more about the new PRN, upcoming activities, and ways to be involved.

6:00 p.m.  
Room 312

### **Pharmaceutical Industry PRN**

All current and prospective Pharmaceutical Industry PRN members are welcome to attend.





## Tuesday, October 25

7:00 a.m. – 6:00 p.m.  
Great Hall Foyer

**Meeting Registration, ACCP Bookstore, and Cyber Café**

7:00 a.m. – 6:00 p.m.  
Room 201

**Meditation and Prayer Room**

8:00 a.m. – 9:00 a.m.  
Great Hall 4

**ACCP Academy Graduation**

*By invitation only.*



Commencement Speaker: *Gary C. Yee, Pharm.D., FCCP, BCOP*  
Professor and Associate Dean, University of Nebraska Medical  
Center, Omaha, Nebraska

8:00 a.m. – 10:00 a.m.  
Grand Ballroom

**Scientific Poster Presentations, IV and Breakfast**

*Presenters may begin hanging their posters at 7:00 a.m.  
Posters will remain on display until 10:00 a.m.*

*Continental breakfast available between 8:00 a.m. and 9:30 a.m.,  
or while supplies last.*



8:00 a.m. – 10:00 a.m.  
Great Hall 5



### Research Institute and Pharmacotherapy Open House

*Learn how to get more involved with the ACCP Research Institute (RI) or Pharmacotherapy, the official journal of ACCP. This open house event will provide you the opportunity to speak directly with board members from both the RI and Pharmacotherapy. See page 14.*

Facilitators: *Jerry L. Bauman, Pharm.D., FCCP, BCPS*  
Dean and Professor, UIC College of Pharmacy, Rockford Campus, Rockford, Illinois

*C. Lindsay DeVane, Pharm.D., FCCP, BCPP*  
Editor-in-Chief, Pharmacotherapy; Professor, Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, South Carolina

*Stuart T. Haines, Pharm.D., BCPS, BCACP, BC-ADM*  
Professor and Director, Division of Pharmacy Professional Development, University of Mississippi School of Pharmacy, Jackson, Mississippi

*Edith A. Nutescu, Pharm.D., M.S., FCCP*  
Associate Professor, Department of Pharmacy Systems, Outcomes, and Policy Director, Center for Pharmacoepidemiology & Pharmacoeconomic Research, College of Pharmacy; Co-Director, Personalized Medicine Service, University of Illinois Hospital & Health Sciences System, Chicago, Illinois

and

*James E. Tisdale, Pharm.D., FCCP, FAPhA, FAHA, BCPS*  
Professor, Department of Pharmacy Practice, College of Pharmacy, Purdue University; and Adjunct Professor, School of Medicine, Indiana University, Indianapolis, Indiana

9:00 a.m. – 10:00 a.m.  
Room 202



### ACCP Academy Mentoring Session

*By invitation only.*

*Robert E. Smith, Pharm.D.*  
Professor Emeritus, Harrison School of Pharmacy, Auburn University, Auburn, Alabama

9:00 a.m. – 10:00 a.m.  
Great Hall 6

### Chapter Officers Meeting

*By invitation only.*

10:15 a.m. – 11:45 a.m.  
Great Hall 6

**Advancements in Immunotherapy and the Microbiome:  
Principles and Patient Outcomes**

Activity No. 0217-0000-16-133-L01-P

Moderator: *Christopher R. Ensor, Pharm.D., BCPS*  
Assistant Professor of Pharmacy and Therapeutics, University of  
Pittsburgh School of Pharmacy, Pittsburgh, Pennsylvania

10:15 a.m. Novel Immunosuppressants: Implications for Transplantation  
and Autoimmune Disorders  
*Christina Teeter Doligalski, Pharm.D., BCPS*  
Solid Organ Transplant Pharmacotherapy Specialist, Tampa  
General Hospital, Tampa, Florida

10:40 a.m. Novel Immunoactivators: Implications for Oncologic Therapy  
*Val R. Adams, Pharm.D., FCCP, BCOP*  
Associate Professor of Pharmacy Practice and Science,  
University of Kentucky College of Pharmacy, Lexington,  
Kentucky

11:05 a.m. The Microbiome: Inflammation in Pulmonary and  
Autoimmune Disorders  
*Stephanie A. Flowers, Pharm.D., Ph.D.*  
Postdoctoral Research Fellow, University of Michigan, Ann  
Arbor, Michigan

11:35 a.m. Panel Discussion  
*Val R. Adams, Pharm.D., FCCP, BCOP*  
*Stephanie A. Flowers, Pharm.D., Ph.D.*  
*Christina Teeter Doligalski, Pharm.D., BCPS*

1:30 p.m. – 3:30 p.m.  
Great Hall 4



**Clinical Controversies**

Activity No. 0217-0000-16-134-L01-P

Moderator: *Douglas L. Jennings, Pharm.D., FCCP, FAHA, AACC,*  
*BCPS-AQ Cardiology*  
Clinical Pharmacy Manager - Heart Transplant and Mechanical  
Circulatory Support, New York Presbyterian Columbia University  
Medical Center, New York, New York

10:15 a.m. Ivabradine for Heart Failure: A "Funny" Alternative or a Serious  
Drug Therapy?  
*Sheryl L. Chow, Pharm.D., FCCP, BCPS-AQ Cardiology*  
Associate Professor, Western University of Health Sciences, Los  
Angeles, California

10:35 a.m. Digoxin and Heart Failure: The End of an Era?  
*Steven P. Dunn, Pharm.D., BCPS*  
Pharmacy Clinical Coordinator, Cardiology, University of  
Virginia Health System, Charlottesville, Virginia

10:55 a.m.	Emerging Concepts in the Management of <i>Clostridium difficile</i> –Associated Diarrhea <i>P. Brandon Bookstaver, Pharm.D., BCPS–AQ ID</i> Associate Professor and Vice Chair, South Carolina College of Pharmacy, University of South Carolina, Columbia, South Carolina
11:15 a.m.	Short-Course Antimicrobials for Systemic Infections: How Low Can We Go? <i>David T. Bearden, Pharm.D.</i> Clinical Professor and Chair, Department of Pharmacy Practice; Clinical Assistant Director, Department of Pharmacy Services, Oregon State University/Oregon Health and Science University College of Pharmacy, Portland, Oregon
11:35 a.m.	Question and Answer
10:15 a.m. – 11:45 a.m. Diplomat Ballroom 3	<b>Emerging Knowledge, Issues, and Challenges with Marijuana and Synthetic Cannabinoids</b> Activity No. 0217-0000-16-131-L01-P  Moderator: <i>Marsha A. Raebel, Pharm.D., FCCP</i> Investigator, Pharmacotherapy, Institute for Health Research, Kaiser Permanente Colorado Institute for Health, Denver, Colorado
10:15 a.m.	Emerging Knowledge About Marijuana and Synthetic Cannabinoids: Formulations, Pharmacodynamics, Medical, and Recreational Use <i>Bradley Carlson, Pharm.D.</i> Former Chief Pharmacist and Vice President of Pharmacy Operations for LeafLine Labs, LLC, Minneapolis, Minnesota
11:00 a.m.	Hazardous Use, Challenges, and Issues Associated with Legalization of Cannabis <i>Laura M. Borgelt, Pharm.D., FCCP, BCPS</i> Professor, University of Colorado Anschutz Medical Campus, Skaggs School of Pharmacy and Pharmaceutical Sciences and School of Medicine, Aurora, Colorado
10:15 a.m. – 11:45 a.m. Regency Ballroom 2	<b>Fundamentals of Providing Excellent Peer Reviews</b> Activity No. 0217-0000-16-155-L04-P  Faculty: <i>Stuart T. Haines, Pharm.D., BCPS, BCACP, BC-ADM</i> Professor and Director, Division of Pharmacy Professional Development, University of Mississippi School of Pharmacy, Jackson, Mississippi

- 10:15 a.m. – 11:45 a.m.  
Great Hall 5
- The Affordable Care Act and Practice Advancement: Implications for Quality and Patient Care**  
Activity No. 0217-0000-16-132-L04-P
- Moderator: *Jennifer R. Bean, Pharm.D., BCPS, BCPP*  
Clinical Pharmacy Specialist, VA-Tennessee Valley Healthcare System, Murfreesboro, Tennessee
- 10:15 a.m.
- Team-Based Practice Model Advancements in the Era of Health Reform  
*Gary R. Matzke, Pharm.D., FCCP, FASN*  
Founding Director, ACCP/ASHP/VCU Congressional Healthcare Policy Fellow Program; Professor of Pharmacotherapy and Outcome Sciences, School of Pharmacy, Virginia Commonwealth University, Richmond, Virginia
- 11:15 a.m.
- One Organization's Experience: The Impact of Health Reform and Payment Reform on Clinical Pharmacist Value Proposition  
*Troy Trygstad, Pharm.D., MBA, Ph.D.*  
Vice President, Pharmacy Programs, Community Care of North Carolina, Raleigh, North Carolina
- 10:15 a.m. – 12:15 p.m.  
Regency Ballroom 3
- Principles and Practices of Getting Things Done Within Organizations**  
Activity No. 0217-0000-15-155-L04-P
- Faculty: *Robert E. Smith, Pharm.D.*  
Professor Emeritus, Harrison School of Pharmacy, Auburn University, Auburn, Alabama
- 10:15 a.m. – 11:45 a.m.  
Diplomat Ballrooms 1 & 2
- Research into Practice: Unlocking Mechanisms of Azole Resistance in Invasive Candidiasis**  
Activity No. 0217-0000-16-197-L01-P
- Join us for presentations of select contributed original research papers. Brief presentations will be immediately followed by audience Q&A and discussion.*
- Moderator: *Peggy Carver, Pharm.D., FCCP*  
Associate Professor of Pharmacy, University of Michigan College of Pharmacy; Clinical Pharmacist, University of Michigan Health System, Ann Arbor, Michigan

9:00 a.m. – 10:00 a.m.  
Regency Ballroom 1



**The Application of Adaptive Leadership in Pharmacy**  
Activity No. 0217-0000-16-176-L04-P

*Part of the Leadership and Management Certificate Program. For more information, visit the website at [www.accp.com/academy](http://www.accp.com/academy).*

*Faculty: Todd D. Sorensen, Pharm.D.*  
Professor and Associate Department Head, University of Minnesota, Minneapolis, Minnesota

1:30 p.m. – 3:00 p.m.  
Diplomat Ballroom 3

**Pharmacy Practice Chairs Meeting**  
*By invitation only.*

1:30 p.m. – 3:00 p.m.  
Great Hall 4

**Cardiology PRN Focus Session—A Tale of Two Perspectives: Debating and Reconciling Hypertension Guidelines, Data, and Lore**  
Activity No. 0217-0000-16-136-L01-P

*Moderator: Toni L. Ripley, Pharm.D., BCPS-AQ Cardiology*  
Professor, University of Oklahoma College of Pharmacy, Oklahoma City, Oklahoma

1:30 p.m.

Great Expectations of Misguided Infatuation? The Value of Hypertension Guidelines (Pro)  
*Rex W. Force, Pharm.D., FCCP, BCPS*  
Professor and Director of Research, Idaho State University, Pocatello, Idaho

1:55 p.m.

Great Expectations of Misguided Infatuation? The Unrestrained Dependence on Guidelines (Con)  
*John G. Gums, Pharm.D., FCCP*  
Professor of Pharmacy and Medicine Associate Dean for Clinical and Administrative Affairs, College of Pharmacy, University of Florida, Gainesville, Florida

2:20 p.m.

Wise Reconciliation: Targeting the Balance of Applying Hypertension Guidelines and Literature  
*Adam Phillip Bress, Pharm.D.*  
Assistant Professor, University of Utah School of Medicine, Salt Lake City, Utah

2:45 p.m.

Question and Answer

1:30 p.m. – 3:00 p.m.  
Diplomat Ballrooms  
4 & 5

**GI/Liver/Nutrition PRN Focus Session—The Spectrum of Liver Disease: Insights into Fatty Liver and Medication Dosing in Advanced Liver Disease**

Activity No. 0217-0000-16-137-L01-P

Moderator: *Michelle T. Martin, Pharm.D., BCPS, BCACP*  
Clinical Pharmacist and Assistant Professor, University of Illinois at Chicago, Chicago, Illinois

1:30 p.m.

Insights into Fatty Liver Disease  
*Allison M. Bell, Pharm.D., M.Sc., BCPS*  
Assistant Professor, Department of Pharmacy Practice,  
University of Mississippi School of Pharmacy, Jackson,  
Mississippi

2:15 p.m.

Medication Dosing in Advanced Liver Disease  
*Mia Schmiedeskamp-Rahe, Pharm.D., Ph.D., BCPS*  
Clinical Assistant Professor, Department of Pharmacy Practice,  
College of Pharmacy, University of Illinois at Chicago, Chicago,  
Illinois

1:30 p.m. – 3:00 p.m.  
Great Hall 5

**Nephrology PRN Focus Session—New Agents and Their Implications for Patients with Chronic Kidney Disease**

Activity No. 0217-0000-16-151-L01-P

Moderator: *Rachel F. Eyler, Pharm.D.*  
Assistant Clinical Professor of Pharmacy Practice, University of  
Connecticut School of Pharmacy, New Haven, Connecticut

1:30 p.m.

The Current and Potential Role of SGLT-2 Inhibitors in Patients  
with Chronic Kidney Disease  
*Katie E. Cardone, Pharm.D., BCACP, FNKF*  
Associate Professor, Albany College of Pharmacy and Health  
Sciences, Albany, New York

2:15 p.m.

The Potential Role of Patiromer and Sodium Zirconium  
Cyclosilicate in the Treatment of Hyperkalemia  
*Timothy Nguyen, Pharm.D., FASCP, BCPS*  
Associate Professor of Pharmacy Practice; Clinical  
Pharmacotherapy Specialist, Nephrology Pharmacist; LIU  
Pharmacy, Arnold & Marie Schwartz College of Pharmacy and  
Health Sciences, Brooklyn, New York

1:30 p.m. – 3:00 p.m.  
Great Hall 6

**Pediatric PRN Focus Session—Best Practices for Pharmacokinetics and Pediatric Dosing Strategies**

Activity No. 0217-0000-16-140-L01-P

Moderator: *Christina Cox, Pharm.D., BCPS, BCPPS*  
Assistant Professor-Pediatrics, South Carolina College of  
Pharmacy, Columbia, South Carolina

- 1:30 p.m. Ahead of the Curve! Optimizing Vancomycin Dosing with Pharmacokinetic Modeling  
*Jennifer Le, Pharm.D., MAS, BCPS-ID*  
Professor of Clinical Pharmacy, University of California San Diego, Skaggs School of Pharmacy and Pharmaceutical Sciences, La Jolla, California
- 2:15 p.m. Tipping the Scales: Pediatric Obesity and Its Implications for Drug Dosing  
*Roxane Carr, Pharm.D., BCPS*  
Clinical Leader, Children's & Women's Health Centre of British Columbia, Vancouver, British Columbia, Canada
- 1:30 p.m. – 3:00 p.m. **Perioperative Care PRN and Pain and Palliative Care PRN Focus Session—Clinical Pearls: Best Practices in Perioperative Multimodal Pain Management**  
Regency Ballroom 1  
Activity No. 0217-0000-16-138-L01-P
- Moderators: *Kara L. Birrer, Pharm.D., BCPS*  
Clinical Pharmacist, Neurocritical Care, Orlando Health, Orlando, Florida
- and
- Leah Sera, Pharm.D., BCPS*  
Assistant Professor of Pharmacy Practice, University of Maryland School of Pharmacy, Baltimore, Maryland
- 1:30 p.m. IV vs. PO Acetaminophen—Does Route Impact Opioid Requirements?  
*Daniel T. Abazia, Pharm.D., BCPS*  
Clinical Assistant Professor, Ernest Mario School of Pharmacy, Rutgers, New Jersey
- 1:50 p.m. Ketamine for Acute Pain—An Emerging First-line Option?  
*Brandon P. Hobbs, Pharm.D., BCPS*  
Clinical Specialist, Surgical Critical Care, Orlando Regional Medical Center/Orlando Health, Orlando, Florida
- 2:10 p.m. Multi-modal Strategies with Gabapentin/Pregabalin—If, When, and How Much?  
*Robert W. Hutchison Jr, Pharm.D., BCACP*  
Associate Professor, Texas A&M Rangel College of Pharmacy, College Station, Texas



2:30 p.m.	<p>Topical, Regional, or Local Anesthetic-Based Analgesia—Does It Make a Difference?</p> <p><i>Leonette O. Kemp, Pharm.D.</i> Clinical Pharmacy Specialist, Oncology &amp; Palliative Care, Methodist University Hospital &amp; Methodist Hospice Residence, Memphis, Tennessee</p>
2:50 p.m.	Question and Answer
1:30 p.m. – 3:00 p.m. Regency Ballroom 2	<p><b>Women's Health PRN Focus Session—Optimizing Care for Perimenopausal Women</b></p> <p>Activity No. 0217-0000-16-139-L01-P</p> <p>Moderator: <i>Brooke L. Griffin, Pharm.D.</i> Associate Professor, Midwestern University, Downers Grove, Illinois</p>
1:30 p.m.	<p>Hot and Dry Perimenopausal Women: New Treatments to Ease the Transition</p> <p><i>Sarah M. Westberg, Pharm.D., BCPS</i> Co-Associate Dean of Clinical Affairs and Associate Professor, University of Minnesota College of Pharmacy, Minneapolis, Minnesota</p>
1:55 p.m.	<p>Contraception in Perimenopausal Women: Who, What, When, Where, Why, How?</p> <p><i>Kylie N. Barnes, Pharm.D., BCPS</i> Clinical Assistant Professor, University of Missouri-Kansas City School of Pharmacy, Kansas City, Missouri</p>
2:20 p.m.	<p>To Give or Not to Give? Prevention and Treatment of Bone Loss in Perimenopause</p> <p><i>Abigail M. Yancey, Pharm.D., BCPS</i> Associate Professor, St. Louis College of Pharmacy, St. Louis, Missouri</p>
2:45 p.m.	Question and Answer

1:30 p.m. – 3:30 p.m.  
Diplomat Ballrooms  
1 & 2

**BCOP Clinical Sessions—Lung Cancer Therapy and Molecular Targets**

Activity No. 0217-9999-16-135-L01-P

Cosponsored by:



*The BCOP Clinical Sessions are part of the professional development program for the recertification of board-certified oncology pharmacists, approved by the Board of Pharmacy Specialties and cosponsored by ACCP and the American Society of Health-System Pharmacists (ASHP). Part II will be presented on Wednesday, October 26, from 8:00 a.m. to 10:00 a.m. During the Oncology Pharmacy Specialty Sessions, instructions for accessing the BCOP recertification posttests will be provided (two posttests – one for each session). The deadline to submit posttests for these sessions is March 1, 2017.*

Moderator: *Christine M. Walko, Pharm.D., BCOP*  
Clinical Pharmacogenetics Scientist, Moffitt Cancer Center,  
Tampa, Florida

1:30 p.m.

Back to the Future: Advances in Lung Cancer Targeted Therapy  
*Gary W. Jean, Pharm.D., BCOP*  
Assistant Professor, Texas Tech University Health Sciences  
Center School of Pharmacy; Clinical Coordinator, Clements  
University Hospital, Dallas, Texas

2:30 p.m.

Going Beyond the Standard of Care in Lung Cancer: Focus on  
Translation of Molecular Targets  
*Christine M. Walko, Pharm.D., BCOP*

1:30 p.m. – 5:30 p.m.  
Regency Ballroom 3



**Planning for Effective Teaching**

Activity No. 0217-0000-14-156-L04-P

Part of the ACCP Academy Teaching and Learning Certificate  
Program. For more information, visit [www.accp.com/academy](http://www.accp.com/academy).

Faculty: *Brenda L. Gleason, Pharm.D.*  
Associate Dean for Academic Affairs; Professor of Pharmacy  
Practice, St. Louis College of Pharmacy, St. Louis, Missouri

*Daniel S. Longyhore, Pharm.D., M.S., BCACP*  
Associate Professor of Pharmacy Practice, Wilkes University,  
Wilkes-Barre, Pennsylvania; Ambulatory Care Pharmacist, St.  
Luke's Hospital & Health Network, Bethlehem, Pennsylvania

and

*Thomas D. Zlatic, Ph.D.*  
Professor, St. Louis College of Pharmacy, St. Louis, Missouri

1:30 p.m.	Understanding Planning
1:50 p.m.	Creating Learning Outcomes
2:55 p.m.	Constructing Teaching/Learning Strategies
3:35 p.m.	Break
3:45 p.m.	Planning for Assessment
3:50 p.m.	Syllabus Planning & Communication
4:00 p.m.	Creating Scripts
4:30 p.m.	Creating Environments Conducive to Learning
5:10 p.m.	ACCP Portfolio/Questions
5:30 p.m.	Adjourn
3:15 p.m. – 4:45 p.m. Great Hall 6	<p><b>Emergency Medicine PRN Focus Session—Got Evidence? Do Ketamine, NOAC Reversal Agents, and Icatibant Do the Body Good?</b></p> <p>Activity No. 0217-0000-16-166-L01-P</p> <p>Moderator: <i>Megan E. Musselman, Pharm.D., BCPS, BCCCP</i> Clinical Pharmacist Specialist, Emergency Medicine/Critical Care, North Kansas City Hospital, Kansas City, Missouri</p>
3:15 p.m.	<p>Ketamine for Excited Delirium</p> <p><i>Suprat Saely Wilson, Pharm.D., BCPS</i> Pharmacy Coordinator, Emergency Medicine Services, Detroit Receiving Hospital; PGY2 Emergency Medicine Pharmacy Residency Program, Detroit Medical Center Health System, Detroit, Michigan</p>
3:45 p.m.	<p>Safety, Efficacy and Practicality of New Oral Anticoagulant Reversal Strategies</p> <p><i>J. Michael Boyd, Pharm.D.</i> Specialty Practice Pharmacist - Cardiology and Electrophysiology, Ohio State University, Wexner Medical Center, Columbus, Ohio</p>

4:15 p.m.

Icatibant Versus Standard Treatment for ACEi-Induced Angioedema  
*Jeremy P. Hampton, Pharm.D.*  
Associate Clinical Professor, University of Missouri-Kansas City School of Pharmacy, Kansas City, Missouri; Emergency Medicine Clinical Specialist, Truman Medical Center, Kansas City, Missouri

3:15 p.m. – 4:45 p.m.  
Great Hall 5

**Endocrine and Metabolism PRN Focus Session—Newer Agents for Diabetes: Are These the Answers We Have Been Waiting For?**

Activity No. 0217-0000-16-141-L04-P

Moderator: *Michelle L. Rager, Pharm.D., BCPS, CDE*  
Associate Professor of Pharmacy Practice, Shenandoah University School of Pharmacy, Winchester, Virginia

3:15 p.m.

SGLT-2 Inhibitors: Too Good to Be True? (Pro/Con Debate)  
*Molly E. Minze, Pharm.D., BCACP*  
Associate Professor, Texas Tech University Health Sciences Center, School of Pharmacy, Abilene, Texas

and

*Jennifer J. D'Souza, Pharm.D., BC-ADM, CDE*  
Associate Professor of Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, Illinois

3:55 p.m.

Let's Concentrate: Will Newer Concentrated and Biosimilar Insulins Change Our Practice? (A Pro/Con Debate)  
*Krystal K.C. Riccio, Pharm.D., BCACP, CDE*  
Associate Professor of Pharmacy Practice, College of Pharmacy, Roseman University of Health Sciences, Henderson, Nevada

and

*Sara W. Reece, Pharm.D., BC-ADM, CDE*  
Vice Chair and Associate Professor, Philadelphia College of Osteopathic Medicine-Georgia Campus, School of Pharmacy, Suwanee, Georgia

4:35 p.m.

Question and Answer

3:15 p.m. – 4:45 p.m.  
Diplomat Ballroom 3

**Immunology/Transplantation PRN—  
Post-transplant Malignancy: Managing Our BIG Problem**

Activity No. 0217-0000-16-143-L01-P

Moderator: *Christopher R. Ensor, Pharm.D., BCPS*  
Assistant Professor of Pharmacy and Therapeutics, University of  
Pittsburgh School of Pharmacy, Pittsburgh, Pennsylvania

3:15 p.m. Minimizing the Unavoidable Problem: Immunomanipulation  
and Cancer Risk  
*Pamela R. Maxwell, Pharm.D., BCPS*  
Clinical Pharmacy Manager, Solid Organ Transplant, University  
Health System, San Antonio, Texas

3:40 p.m. How Much Is Enough? Immunosuppression During Cancer  
Therapy  
*Angela Q. Maldonado, Pharm.D., BCPS*  
Clinical Pharmacy Specialist - Transplant Services, Vidant  
Medical Center, Greenville, North Carolina

4:05 p.m. Threading the Needle: Novel Approaches to Cancer Therapy in  
the Transplant Recipient  
*Val R. Adams, Pharm.D., FCCP, BCOP*  
Associate Professor of Pharmacy Practice and Science,  
University of Kentucky College of Pharmacy, Lexington,  
Kentucky

4:30 p.m. Panel Discussion  
*Val R. Adams, Pharm.D., FCCP, BCOP*  
*Angela Q. Maldonado, Pharm.D., BCPS*  
*Pamela R. Maxwell, Pharm.D., BCPS*

3:15 p.m. – 4:45 p.m.  
Great Hall 4

**Infectious Diseases PRN Focus Session—Standards of  
Antimicrobial Stewardship**

Activity No. 0217-0000-16-141-L01-P

Moderator: *Kayla R. Stover, Pharm.D.*  
Assistant Professor of Pharmacy Practice, University of Mississippi  
Medical Center, Jackson, Mississippi

3:15 p.m. Regulatory Standards Related to Antimicrobial Stewardship in  
Acute Care Settings  
*Emily L. Heil, Pharm.D., BCPS-AQ ID*  
Clinical Assistant Professor, University of Maryland School of  
Pharmacy, Baltimore, Maryland

3:45 p.m. Antimicrobial Stewardship Efforts Outside the Hospital  
*Elias B. Chahine, Pharm.D., BCPS-AQ ID*  
 Associate Professor of Pharmacy Practice, Lloyd L. Gregory  
 School of Pharmacy, Palm Beach Atlantic University, West Palm  
 Beach, Florida

4:15 p.m. Antimicrobial Stewardship Competencies and Outcomes  
*Timothy Gauthier, Pharm.D., BCPS*  
 Antimicrobial Stewardship Pharmacist, Miami VA Healthcare  
 System, Miami, Florida

3:15 p.m. – 4:45 p.m.  
 Diplomat Ballrooms  
 4 & 5



**Pharmaceutical Industry PRN and Health Outcomes PRN  
 Focus Session—Cost-efficacy vs. Clinical Efficacy and the  
 Impact on Clinical Choice**  
 Activity No. 0217-0000-16-144-L04-P

*This session is available for elective credit for the ACCP Academy's  
 Research and Scholarship Certificate Program. Enrollees must sign  
 the sign-in sheet provided and claim CPE for the session to earn  
 Academy credit.*

Moderator: *Kay M. Uttech, Pharm.D., BCPS*  
 Senior Director, Business Operations, Baxter Healthcare,  
 Algonquin, Illinois

3:15 p.m. A Primer on Understanding Cost-effectiveness Evaluations  
*Kathy Bungay, Pharm.D., M.S., FCCP*  
 Associate Professor, Northeastern University, School of  
 Pharmacy, Boston, Massachusetts

3:55 p.m. Cost-effectiveness Data and Its Impact on Appropriateness of  
 Treatment and Access to Care for HCV  
*Paulina Deming, Pharm.D., PhC*  
 Clinical Associate Professor, Pharmacy Practice &  
 Administrative Sciences, College of Pharmacy, University of  
 New Mexico, Albuquerque, New Mexico

3:15 p.m. – 4:45 p.m.  
Regency Ballroom 1



### **Reviewing Abstracts with Excellence**

Activity No. 0217-0000-16-184-L04-P

*This abstract reviewer development session led by the Research Institute Board of Trustees will provide training to prospective, new, and experienced abstract reviewers.*

Moderator: *Sheldon G. Holstad, Pharm.D.*

Director, ACCP Research Institute, American College of Clinical Pharmacy, Lenexa, Kansas

Faculty: *Denise H. Rhoney, Pharm.D., FCCP*

Ron and Nancy McFarlane Distinguished Professor and Chair,  
Division of Practice Advancement and Clinical Education, UNC  
Eshelman School of Pharmacy, Chapel Hill, North Carolina

and

*Alan J. Zillich, Pharm.D., FCCP, BCPS, BCACP*

Professor and Head, Department of Pharmacy Practice, Purdue  
University College of Pharmacy, Indianapolis, Indiana; Research  
Scientist, Roudebush VA Medical Center, Center for Health  
Information and Communication, Indianapolis, Indiana

6:00 p.m. – 9:00 p.m.

### **PRN Business Meetings and Networking Forums**

All meeting attendees are encouraged to attend these reception-style gatherings.

6:00 p.m.  
Great Hall 4

#### **Ambulatory Care PRN**

Participants will join colleagues for an interactive and informative yet fun-filled time, including several activities designed to provide updates on the PRN's state of affairs while networking and sharing with fellow PRN colleagues. Members will not want to miss this forum. Grab a friend and come on out to connect with the Ambulatory Care PRN!

6:00 p.m.  
Room 307

#### **Central Nervous System PRN**

The CNS PRN will hold its annual business meeting and networking event, and the student travel awardee will give a presentation about his or her research project. New business to be discussed at the meeting includes standardization of the student travel award criteria, discussion of PRN subcommittees, and brainstorming about the 2017 CNS PRN focus session topics and speakers.

6:00 p.m.  
Room 312

### **Clinical Administration PRN**

The Clinical Administration and Informatics PRN will recap events from the year. We will review the current educational focus session and discuss topics for the 2017 session. Members of our student and resident committee will present topics of interest. We encourage all current and interested PRN members to attend.

6:00 p.m.  
Room 303

### **GI/Liver/Nutrition PRN**

The GI/Liver/Nutrition PRN will hold its annual business meeting and networking forum during the ACCP Annual Meeting. Current and prospective members are encouraged to attend. Appetizers and beverages will be provided. Please come prepared to share ideas for next year's Annual Meeting focus session topics. If we have travel awardees, we will honor them and hear their brief project presentations. New PRN officers will be introduced. We will conclude with an open forum for any other issues the membership would like to discuss.

6:00 p.m.  
Great Hall 6

### **Global Health PRN**

The officers of the Global Health PRN invite you to participate in an evening celebrating the past year of accomplishments, planning for future events and activities, and networking with colleagues.

6:00 p.m.  
Room 305

### **Health Outcomes PRN**

All current and prospective Health Outcomes PRN members are welcome to attend.

6:00 p.m.  
Diplomat Ballrooms  
1 & 2

### **Hematology/Oncology PRN**

The business meeting will consist of a discussion of PRN activities, PRN student/resident travel awards, and additional general PRN business. The new officers will be introduced, and volunteers will be solicited. In addition, the latter part of the meeting will be dedicated to networking opportunities between students, residents, fellows, and graduate students.

6:00 p.m.  
Room 313

### **HIV PRN**

All are welcome to attend the HIV PRN annual business meeting and networking forum. Current and prospective members will have an opportunity to meet, sign up for committees, and exchange ideas. In addition, we will discuss current and future PRN initiatives. Grab a friend and come join us for some appetizers and beverages.

6:00 p.m.  
Regency Ballroom 2

### **Immunology/Transplantation PRN**

The Immunology/Transplantation PRN will review the PRN's business in 2015–2016 and provide opportunities for those interested in immunology/transplantation to network.



6:00 p.m.  
Great Hall 5

**Infectious Diseases PRN**

All current and prospective Infectious Diseases PRN members are welcome to attend.

6:00 p.m.  
Room 314

**Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN**

Interested attendees in the areas of pharmacogenomics and PK/PD are invited to join us for the annual PK/PD/PG PRN business meeting, discussion of current PRN activities, and networking opportunities with your colleagues.

6:00 p.m.  
Room 301

**Women's Health PRN**

All current and prospective Women's Health PRN members are welcome to attend.



## Wednesday, October 26

7:00 a.m. – 12:30 p.m.  
Great Hall Foyer

**Meeting Registration, ACCP Bookstore, and Cyber Café**

7:00 a.m. – noon  
Room 201

**Meditation and Prayer Room**

8:00 a.m. – 9:30 a.m.  
Great Hall 4

**Frontiers in Pharmacogenomics: Predictive Prescribing and Beyond**

Activity No. 0217-0000-16-147-L01-P

Moderator: *Allison M. Chung, Pharm.D., FCCP, BCPS*  
Associate Professor of Clinical Pharmacy, Auburn University,  
Harrison School of Pharmacy, Mobile, Alabama

8:00 a.m.

Pharmacogenomics and Predictive Prescribing: Are We There Yet?

*Larisa H. Cavallari, Pharm.D., FCCP, BCPS*

Associate Professor, Director, Center for Pharmacogenomics,  
University of Florida College of Pharmacy, Gainesville, Florida

8:15 a.m.

Epigenetics: The Next Frontier in Pharmacogenomics

*Joseph L. McClay, Ph.D.*

Assistant Professor of Pharmacotherapy and Outcomes  
Science, School of Pharmacy, Department of Pharmacotherapy  
& Outcomes Science, Richmond, Virginia

8:00 a.m. – 9:30 a.m.  
Great Hall 5

**Primary Care Management of Emerging Complications with Chronic HIV Infection and Cancer Survivors**

Activity No. 0217-0000-16-146-L01-P

Moderator: *Christy S. Harris, Pharm.D., BCPS, BCOP*  
Associate Professor of Pharmacy Practice, School of Pharmacy-  
Boston MCPHS University, Boston, Massachusetts

8:00 a.m.

Living with HIV: Approach to Primary Care Management in the  
New Anti-retroviral Era

*Jennifer Cocohoba, Pharm.D.*

Professor of Clinical Pharmacy, University of California San  
Francisco, San Francisco, California

8:45 a.m.

Approach to Management of the Primary Care Issues in the  
Cancer Survivor

*LeAnn B. Norris, Pharm.D., BCPS, BCOP*

Clinical Associate Professor, Department of Clinical Pharmacy  
and Outcomes Sciences, South Carolina College of Pharmacy,  
Columbia, South Carolina

8:00 a.m. – 10:00 a.m.  
Great Hall 6

Cosponsored by:



## **BCOP Clinical Sessions—Multiple Myeloma and Pediatric CINV II**

Activity No. 0217-9999-16-145-L01-P

*The BCOP Clinical Sessions are part of the professional development program for the recertification of board-certified oncology pharmacists, approved by the Board of Pharmacy Specialties and cosponsored by ACCP and the American Society of Health-System Pharmacists (ASHP). Part I was presented on Tuesday, October 25, from 1:30 p.m. to 3:30 p.m. During the Oncology Pharmacy Specialty Sessions, instructions for accessing the BCOP recertification posttests will be provided (two posttests – one for each session). Partial credit is available. The deadline to submit posttests for these sessions is March 1, 2017.*

Moderator: *Jill Bates, Pharm.D., M.S., BCOP*  
Assistant Professor of Clinical Education, Clinical Pharmacy Specialist in Malignant Hematology, University of North Carolina, Chapel Hill, North Carolina

8:00 a.m.                      Evolving Treatment Strategies for Multiple Myeloma  
*Jill Bates, Pharm.D., M.S., BCOP*

9:00 a.m.                      Management of Pediatric CINV: A Complex Case  
*Jennifer L. Thackray, Pharm.D., BCPS, BCPPS*  
Pediatric Oncology Clinical Pharmacy Specialist, Memorial Sloan Kettering Cancer Center, New York, New York

8:00 a.m. – noon  
Regency Ballroom 1



## **Personal Leadership Development**

Activity No. 0217-0000-14-135-L04-P

*Part of the ACCP Academy Leadership and Management Certificate Program. For more information, visit the website at [www.accp.com/academy](http://www.accp.com/academy).*

Faculty: *Peter Hurd, Ph.D.*  
Professor and Department Chair, Pharmaceutical and Administrative Sciences, St. Louis College of Pharmacy, St. Louis, Missouri

and

*Robert E. Smith, Pharm.D.*  
Professor Emeritus, Harrison School of Pharmacy, Auburn University, Auburn, Alabama

9:45 a.m. – 11:15 a.m.  
Great Hall 5

**New Insights on Common Problems—Pain Management and Diabetes Care**

Activity No. 0217-0000-16-149-L01-P

Moderator: *Ann M. Philbrick, Pharm.D., BCPS, BCACP*  
Associate Professor, University of Minnesota College of Pharmacy, Minneapolis, Minnesota; Bethesda Family Medicine Clinic, St. Paul, Minnesota

9:45 a.m.

Clinical Dilemmas in Pain Management—Transitions of Care, Opioid Misuse, and Symptom-Directed Pain Management  
*Chris M. Herndon, Pharm.D., BCPS, CPE*  
Associate Professor, Southern Illinois University Edwardsville, Edwardsville, Illinois

10:30 a.m.

Diabetes: New Ideas About an Old Disease and Its Complications  
*Brian K. Irons, Pharm.D., FCCP, BCACP, BCPS, BC-ADM*  
Professor of Pharmacy Practice, Division Head-Ambulatory Care, Texas Tech University Health Sciences Center, Lubbock, Texas

9:45 a.m. – 11:15 a.m.  
Great Hall 4



AMERICAN COLLEGE OF CLINICAL PHARMACY  
**ACADEMY**



**Preceptor Development: Educational Strategies for Improving Student Practice-Based Abilities and Interdisciplinary Communication**

Activity No. 0217-0000-16-148-L04-P

*Part of the ACCP Academy Teaching and Learning Certificate Program. For more information, visit the website at [www.accp.com/academy](http://www.accp.com/academy).*

Moderator: *E. Kelly Hester, Pharm.D., FCCP, BCPS*  
Associate Clinical Professor, Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Auburn, Alabama

9:45 a.m.

“Social Capital”—Building Student Interprofessional Communication Skills Within a Care Team  
*Elena M. Umland, Pharm.D.*  
Associate Dean for Academic Affairs and Professor, Jefferson College of Pharmacy, Philadelphia, Pennsylvania

10:30 a.m.

Educational Strategies to Improve Student Ability-Based Outcomes in Patient Care  
*Brenda L. Gleason, Pharm.D.*  
Associate Dean for Academic Affairs, Professor of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, Missouri

## Your Week at the 2016 ACCP Annual Meeting

### Saturday, October 22

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### Sunday, October 23

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### Monday, October 24

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### Wednesday, October 26

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## **Abstract Reviewers for the ACCP Virtual Poster Symposium**

**Denise H. Rhoney, Pharm.D., FCCP; and**

**Gary Yee, Pharm.D., FCCP, BCOP**

### **Abstract Chairs**

Rita Alloway	Edward Foote	Keith Olsen
Russell Attridge	Francis Gengo	Robert Page
Edward Bednarczyk	Roy Guharoy	Frank Paloucek
Varsha Bhatt-Mehta	Curtis Haas	Robert Parker
Kathryn Blake	Tracy Hagemann	David Parra
Barry Bleske	Jimmi Hatton Kolpek	Pratish Patel
Scott Bolesta	Brian Hemstreet	J. Herbert Patterson
Marybeth Boudreau	Daniel Hilleman	Michael Peeters
Carolyn Brackett	David Hoff	Karen Petros
Donald Brophy	John Horn	Randall Prince
Gretchen Brophy	Michael Horton	Michael Reed
Marcia Buck	Anne Hume	Denise Rhoney
Kathy Bungay	Paul Hutson	Michael Rybak
David Burgess	Marc Israel	Cynthia Sanoski
John M. Burke	Judith Jacobi	Carla Scarborough
Wesley Byerly	Pamala Jacobson	Terry Seaton
Patrick Cantania	Steven Johnson	Marisel Segarra-Newnham
Jannet Carmichael	Pramodini Kale-Pradhan	Larry Segars
Peggy Carver	Sandra Kane-Gill	Mark Shaefer
Jacintha Cauffield	Michele Kanter	Harminder Sikand
Scott Charland	Daren Knoell	Sarah Spinler
Moses Chow	Jill Kolesar	John St. Peter
Sheryl Chow	Judith Kristeller	Craig Stern
Michael Christensen	Kenneth Lamp	Kimberly Tallian
John Cleary	Craig Lee	Dennis Thompson
James Coons	Mary Lee	James Tisdale
Jordan Covey	B. Daniel Lewis	Toby Trujillo
George Davis	David Lourwood	Michael Ujhelyi
Renee DeHart	Robert MacLaren	Timothy Welty
Roland Dickerson	Michael Marx	Daniel Wermeling
Dave Dixon	Deborah Minor	Sarah Westberg
Mike Dudley	Margaret Noyes-Essex	Donald Wiest
Krystal Edwards	Mary Beth O'Connell	Barbara Wiggins
R. Lee Evans	Christine O'Neil	Susan Winkler
Jim Fischer	Jacky Olin	Gary Yee

## **Abstract Reviewers for the ACCP Annual Meeting**

**Denise H. Rhoney, Pharm.D., FCCP; and**

**Gary Yee, Pharm.D., FCCP, BCOP**

### **Abstract Chairs**

Debra Barnette	Roy Guharoy	Robert Parker
Joseph Barone	Curtis Haas	Pratish Patel
Edward Bednarczyk	Krystal Haase	J. Herbert Patterson
Karen Bertch	Tracy Hagemann	Alice Pau
Joseph Bertino	Stephen Hamilton	Michael Peeters
Varsha Bhatt-Mehta	Mary Hayney	Bradley Phillips
Barry Bleske	Brian Hemstreet	Therese Poirier
John Bosso	Brian Hodges	Theresa Prosser
Bradley Boucher	John Horn	Ralph Raasch
Carolyn Brackett	Joanna Hudson	Michael Reed
Donald Brophy	Anne Hume	Melody Ryan
Marcia Buck	Brian Irons	Michael Rybak
Kathy Bungay	Marc Israel	Kevin Rynn
David Burgess	Cynthia Jackevicius	Michael Schwenk
Wesley Byerly	Cherry Jackson	Terry Seaton
Scott Charland	Judith Jacobi	Marisel Segarra-Newnham
Moses Chow	Steven Johnson	Todd Semla
Sheryl Chow	Sandra Kane-Gill	Mark Shaefer
Michael Christensen	Dwight Kloth	Harminder Sikand
Larry Danziger	Jill Kolesar	Thomas Sisca
George Davis	Judith Kristeller	Denise Sokos
Renee DeHart	Peggy Kuehl	James Stevenson
G. Robert DeYoung	Steven Laizure	Ruth Ann Subach
Christopher Destache	Alan Lau	Kimberly Tallian
Paul Dobesh	Mary Lee	Dennis Thompson
Krystal Edwards	Robert MacLaren	James Tisdale
Mary Ensom	Thomas Majerus	Toby Trujillo
Christopher Ensor	Julie Maurey	Michael Ujhelyi
Elizabeth Farrington	Gary Milavetz	Timothy Welty
Douglas Fish	Deborah Minor	Patricia Wigle
S. Diane Goodwin	Margaret Noyes-Essex	Susan Winkler
William Greene	Brian Overholser	Barbara Zarowitz
B. Joseph Guglielmo	Robert Page	Michelle Zell-Kanter

### **Abstract Reviewers Needed**

*Presentation of "Original Research," "Clinical Pharmacy Forum," and "Research-in-Progress" papers is an important part of ACCP's Annual Meeting. The College is seeking to expand its cadre of members who review submitted abstracts. Reviewers must be Full Members with experience in the research process in their stated areas of therapeutic expertise. If you are interested in serving as a reviewer, e-mail Carla Scarborough, Project Manager-Professional Development, at ACCP at [cscarborough@accp.com](mailto:cscarborough@accp.com). Be certain to attach a copy of your curriculum vitae and indicate your primary area(s) of scientific and/or therapeutic expertise.*







**SUNDAY 1:00 PM to 2:30 PM - Grand Ballroom - East**

510	511	512	513	514	515
462	461	460	459	457	accp
451	452	453	454	455	456
450	449	447	446	445	accp
439	440	441	442	443	444
438	437	436	435	434	433
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426	425	424	423	422	421
415	416	417	418	419	420
414	413	412	411	410	409
403	404	405	406	407	408
402	401	339	338	337	318
469	470	471E	476	477	317
282E	281E	276E	275E	274E	250
209	210	211	216	217	229
208	207	194	189	179	176
159	163	166	168	171	175
157	154	152	151	150	106
26	29	33	59	62	85
19	17	CRC	CRC	CRC	CRC
Entrance					

CRC = 2016 Clinical Research Challenge Winners

## Scientific Poster Presentations, I

**Sunday, October 23**

Grand Ballroom East

1:00 p.m. – 2:30 p.m.

### ENCORE PRESENTATIONS

Abstracts marked with an "E" are Encore Presentations. Encore Presentations have been presented elsewhere or published in abstract form before the 2016 ACCP Annual Meeting.

### AWARDS COMPETITION

Finalists for the Best Student Poster, Best Resident and Fellow Poster, and Best Poster awards will be designated by a ribbon pinned to select posters. The winning Best Student Poster and Best Resident and Fellow Poster and the winning and first runner-up Best Poster authors will present their research during the Best Posters Platform Session from 3:45 p.m. to 5:00 p.m., on Tuesday, October 25, in Regency Ballroom 3.

### ORIGINAL RESEARCH

These papers describe quantitative or qualitative findings in basic, clinical, translational, dissemination/implementation, or educational research.

### ORIGINAL RESEARCH

#### Ambulatory Care

17. Role of clinical pharmacy service in optimizing patient care in a sickle cell outpatient center.

*Jin Han, Pharm.D., Ph.D.*<sup>1</sup> Shubha Bhat, Pharm.D.,<sup>1</sup> Michel Gowhari, DO,<sup>2</sup> Santosh Saraf, M.D.<sup>2</sup>; (1) Department of Pharmacy Practice, College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2) Section of Hematology/Oncology, Department of Medicine, University of Illinois at Chicago, Chicago, IL

19. Closing communication gap about medication utilization: evaluation of patient-specific behaviors for not Bringing medication Bottles to Clinic (BBC).

*Sweta Patel, Pharm.D., BCPS*, Gina J. Ryan, Pharm.D., CDE; Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA

26. Assessing the impact on medication choice and drug cost savings from addition of a clinical pharmacist in a rural Illinois outpatient setting.

*Bryan Zobeck, Pharm.D.*,<sup>1</sup> Martin MacDowell, DrPH,<sup>2</sup> Allison Schriever, Pharm.D.,<sup>1</sup> Heidi Olson, Pharm.D.<sup>1</sup>; (1) Pharmacy Practice, University of Illinois College of Pharmacy at Rockford, Rockford, IL; (2) National Center for Rural Health Professions, University of Illinois College of Pharmacy at Rockford, Rockford, IL

29. Sustained virologic response with peginterferon plus ribavirin in the Illinois prison population infected with hepatitis C virus through telemedicine: a retrospective chart review.

*Lillian Bellfi, Pharm.D. Candidate*,<sup>1</sup> Jeremy Young, M.D., MPH,<sup>2</sup> Leo Pratt, Pharm.D. Candidate,<sup>1</sup> Alisha Patel, Pharm.D. Candidate,<sup>3</sup> Diana Mei, Pharm.D. Candidate,<sup>1</sup> Juliana Chan, Pharm.D., FCCP, BCACP<sup>1</sup>; (1) College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2) University of Illinois at Chicago, College of Medicine; (3) College of Pharmacy, University of Illinois at Chicago, Chicago, IL

## Cardiovascular

33. Platelet reactivity with clopidogrel versus prasugrel in patients with systolic heart failure.  
*Paul Dobesh, Pharm.D., FCCP, BCPS,<sup>1</sup> Deepak Thomas, M.D.,<sup>2</sup> Abigail Schweitzer, Pharm.D.,<sup>1</sup> Timothy Louie, Pharm.D.,<sup>1</sup> Brain Lowes, M.D., Ph.D.,<sup>3</sup> Craig Reha, Pharm.D.,<sup>4</sup> Julie Oestreich, Pharm.D., Ph.D.<sup>5</sup>; (1) University of Nebraska Medical Center, Omaha, NE; (2) University of Arkansas for Medical Sciences, Jonesboro, AR; (3) Department of Cardiology, University of Nebraska Medical Center, Omaha, NE; (4) Nebraska Medicine, Omaha, NE; (5) University of Kentucky College of Pharmacy, Lexington, KY*

## Critical Care

59. A retrospective study of early versus delayed initiation of home dose basal insulin in the acute management of diabetic ketoacidosis.

*Stephen Rappaport, Pharm.D.,<sup>1</sup> Jeffrey Endicott, Pharm.D.,<sup>1</sup> Matthew Gilbert, DO,<sup>2</sup> Joshua Farkas, M.D.,<sup>3</sup> Ryan Clouser, DO,<sup>3</sup> Wesley McMillian, Pharm.D.<sup>1</sup>; (1) Department of Pharmacy, University of Vermont Medical Center, Burlington, VT; (2) Department of Medicine, Division of Endocrinology, Diabetes and Metabolism, University of Vermont Medical Center, Burlington, VT; (3) Department of Medicine, Division of Pulmonary Disease and Critical Care Medicine, University of Vermont Medical Center, Burlington, VT*

62. Comparison of the incidence of pneumonia in patients with multi-trauma and TBI versus those without TBI.

*Ashley Turk, Bachelor of Biomedical Science, Pharm.D. Candidate 2018,<sup>1</sup> Kaitlin McGinn, Pharm.D.,<sup>1</sup> Noelle Davis, CRNP,<sup>2</sup> Sidney Brevard, M.D.,<sup>2</sup> Jon Simmons, M.D.; (1) Auburn University Harrison School of Pharmacy, Mobile, AL; (2) Department of Surgery, University of South Alabama Medical Center, Mobile, AL*

## Education/Training

85. The importance of grit in pharmacy residents: residency program directors' perceptions of residents who matched compared to residents who scrambled.

*Blake Holland, M.S., Sean Smithgall, Pharm.D., Katelyn Alexander, Pharm.D., Jessica Burchette, Pharm.D., BCPS, David Cluck, Pharm.D., BCPS, AAHIVP, Rajkumar Sevak, Ph.D., RPh; Department of Pharmacy Practice, Bill Gatton College of Pharmacy, East Tennessee State University, Johnson City, TN*

## Emergency Medicine

106. Evaluation of fixed-dose 4-factor prothrombin complex concentrate administration for urgent warfarin reversal in patients with intracranial hemorrhage.

*Rachael Scott, B.Sc., Megan Nadler, Pharm.D., BCPS, Brian Kersten, Pharm.D., BCPS, BCCCP; Department of Pharmacy, Buffalo General Medical Center, Buffalo, NY*

## HIV/AIDS

150. Use of dolutegravir in patients with the human immunodeficiency virus receiving chemotherapy.

*DaleMarie Vaughan, Pharm.D., Patricia Fulco, Pharm.D., Patricia Corrigan, Pharm.D.; Department of Pharmacy Services, Virginia Commonwealth University, Richmond, VA*

151. Improving medication adherence by communicating objective adherence data to prescribers.

*Neha Pandit, Pharm.D., AAHIVP, BCPS, Hyunuk Seung, M.S.; Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD*

152. Factors associated with antiretroviral errors in HIV-infected patients in the intensive care unit.

*Shelby Merchant, Pharm.D. Candidate 2017;*<sup>1</sup> *Taylor Foore, Pharm.D. Candidate 2017;*<sup>1</sup> *Tanvi Mehta, Student;*<sup>2</sup> *Emily Moose, Pharm.D. Candidate 2017;*<sup>1</sup> *Celeste Caulder, Pharm.D.;*<sup>3</sup> *Melanie McDonald, Pharm.D.;*<sup>4</sup> *P. Brandon Bookstaver, Pharm.D., FCCP, BCPS, AAHIVP;*<sup>5</sup> (1)South Carolina College of Pharmacy-USC; (2)Palmetto Health Richland; (3)South Carolina College of Pharmacy, University of South Carolina, Columbia, SC; (4)South Carolina College of Pharmacy, Columbia, SC; (5)Department of Clinical Pharmacy & Outcomes Sciences, University of South Carolina College of Pharmacy, Columbia, SC

## Infectious Diseases

154. DNA sequence variation in *Staphylococcus aureus* contributes to decreased effectiveness of daptomycin therapy.

*Hannah Turner, Pharmacy Student, Andrew Berti, Pharm.D., Ph.D., Sue McCrone, Research Specialist, B.S. - Microbiology, Warren Rose, Pharm.D.; School of Pharmacy/Rose Lab, University of Wisconsin - Madison, Madison, WI*

157. Evaluation of sustained virologic response rates after hepatitis C virus treatment among a diverse patient population at an urban academic medical center.

*Michelle Martin, Pharm.D., BCPS, BCACP;*<sup>1</sup> *Darby Rosenfeld, Pharm.D. Candidate;*<sup>2</sup> *Lauren Vitrano, Pharm.D. Candidate;*<sup>2</sup> *Grace Go, Pharm.D. Candidate;*<sup>2</sup> *Victoria Ramos, Pharm.D. Candidate;*<sup>2</sup> *Myrna Rivas, Pharm.D. Candidate;*<sup>2</sup> *Todd Lee, Pharm.D., Ph.D.;* (1)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System/University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Illinois at Chicago College of Pharmacy, Chicago, IL

159. Impact of a PCR-based rapid influenza diagnostic test on concomitant antibiotic utilization in patients with suspected influenza.

*Dustin Linn, Pharm.D., Trent Towne, Pharm.D., Molly Grasberger, Pharm.D.; Manchester University College of Pharmacy, Natural & Health Sciences, Fort Wayne, IN*

163. Effectiveness of fixed-dose combination compared to separate tablets for treating pulmonary tuberculosis in diabetic patients.

*Mohammad Al-Shaer, Pharm.D., BCPS;*<sup>1</sup> *Fatima Iqbal, Pharm.D.;*<sup>2</sup> (1)Clinical Pharmacy, Al-Wakra Hospital: Hamad Medical Corporation, Qatar; (2)Department of pharmacy, Rumailah Hospital: Hamad Medical Corporation, Qatar

166. Predictors of ceftriaxone-nonsusceptible urinary tract infections.

*April Pottebaum, Pharm.D., Eli Deal, Pharm.D., FCCP, BCPS; Department of Pharmacy, Barnes-Jewish Hospital*

168. Outcomes of bacteremia caused by inducible AmpC beta-lactamase producing organisms treated with third-generation cephalosporins vs AmpC stable antibiotics.

*Hana Rac, Pharm.D., Kristen O'Brien, Pharm.D., Jan Pack, Pharm.D., Colleen Kraft, M.D., Christopher Paciullo, Pharm.D., BCCCP, FCCM;*<sup>1</sup> (1)Emory University Hospital, Atlanta, GA; (2)Mercer University College of Pharmacy, Atlanta, GA; (3)Emory University School of Medicine, Atlanta, GA; (4) Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA

171. An outcome evaluation of computer-prescribing order entry standardized protocol for treatment of *Clostridium difficile* colitis in a teaching tertiary care facility.

*Linda Nwachukwu, MPH, Pharm.D., BCPS;*<sup>1</sup> *Courtney Armstrong, Pharm.D., Zachary Mulkey, M.D., Charles F. Seifert, Pharm.D., FCCP, BCPS;*<sup>1</sup> (1)School of Pharmacy, Texas Tech University Health Sciences Center, Lubbock, TX; (2)Pharmacy Department, UMC Health System, Lubbock, TX; (3) Department of Internal Medicine, School of Medicine, Texas Tech University Health Sciences Center, Lubbock, TX

175. Treatment of *Staphylococcus aureus* bacteremia pre- and post-implementation of rapid diagnostic testing.

Mary Naeger, Pharm.D.,<sup>1</sup> Emily Welch, Pharm.D., BCPS,<sup>2</sup> Anna Schmidt, Pharm.D., BCPS,<sup>1</sup> Robin Chamberland, Ph.D., D(ABMM)<sup>3</sup>; (1)Department of Pharmacy Services, SSM Health Saint Louis University Hospital, St. Louis, MO; (2)Department of Pharmacy Services, SSM Health Saint Louis University Hospital, St. Louis, MO; (3)Department of Pathology, Saint Louis University School of Medicine, St. Louis, MO

176. Host factors associated with elevated minimum inhibitory concentrations to fosfomycin and doxycycline among vancomycin-resistant enterococcal urine isolates at a tertiary care medical center.

Jillian Hayes, Pharm.D. Candidate,<sup>1</sup> Brian O'Quinn, Pharm.D. Candidate,<sup>1</sup> Kevin Lu, Ph.D.,<sup>2</sup> Celeste Caulder, Pharm.D.,<sup>2</sup> P. Brandon Bookstaver, Pharm.D., FCCP, BCPS, AAHVP3; (1)South Carolina College of Pharmacy, University of South Carolina, Columbia, SC; (2)Department of Clinical Pharmacy & Outcomes Sciences, South Carolina College of Pharmacy, University of South Carolina, Columbia, SC; (3)Department of Clinical Pharmacy & Outcomes Sciences, University of South Carolina College of Pharmacy, SC

179. The utility of procalcitonin to support clinical decision making in critically ill pediatric patients.

Maya Holsen, Pharm.D. Candidate,<sup>1</sup> Shirley Chen, Pharm.D. Candidate,<sup>1</sup> Nicholas Fusco, Pharm.D.,<sup>1</sup> Amanda Hassinger, M.D.,<sup>2</sup> David Jacobs, Pharm.D.1; (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)University at Buffalo Jacobs School of Medicine and Biomedical Sciences, Buffalo, NY

189. Revealing novel mechanisms of triazole-resistance in clinical *Aspergillus fumigatus* isolates through next-generation sequencing.

Jeffrey Rybak, Pharm.D.,<sup>1</sup> Michael Dickens, Ph.D.,<sup>2</sup> Nathan Wiederhold, Pharm.D.,<sup>3</sup> Jarrod Fortwendel, Ph.D.,<sup>4</sup> P. David Rogers, Pharm.D., Ph.D.1; (1)University of Tennessee College of Pharmacy, Memphis, TN; (2)High Performance Research Computing, Texas A&M University, College Station, TX; (3)Fungus Testing Laboratory, UT Health Science Center at San Antonio, San Antonio, TX; (4)Department of Microbiology and Immunology, University of South Alabama College of Medicine

194. Risk factors for *Pseudomonas aeruginosa* in diabetic foot infections.

Nada Farhat, Pharm.D., Christopher Le, Pharm.D. Candidate, Daniel McClung, M.D., Jerod Nagel, Pharm.D., BCPS-AQ ID; Department of Pharmacy Services, University of Michigan Health System, Ann Arbor, MI

## Nephrology

207. Telavancin pharmacokinetics in patients with chronic kidney disease receiving hemodialysis.

Katherine N. Gharibian, Pharm.D.,<sup>1</sup> Susan J. Lewis, Pharm.D.,<sup>2</sup> Michael Heung, M.D.,<sup>3</sup> Jonathan H. Segal, M.D.,<sup>3</sup> Noha N. Salama, Ph.D.,<sup>4</sup> Bruce A. Mueller, Pharm.D.5; (1)School of Pharmacy, Medical College of Wisconsin, Milwaukee, WI; (2)College of Pharmacy, University of Findlay, Findlay, OH; (3)Medical School, University of Michigan, Ann Arbor, MI; (4)Department of Pharmaceutical and Administrative Sciences, St. Louis College of Pharmacy, St. Louis, MO; (5)College of Pharmacy, University of Michigan, Ann Arbor, MI

208. Influence of hemodialyzer permeability and flow rate on the dialytic clearance of regadenoson in an in vitro hemodialysis model.

Katherine N. Gharibian, Pharm.D.,<sup>1</sup> Bruce A. Mueller, Pharm.D.2; (1)School of Pharmacy, Medical College of Wisconsin, Milwaukee, WI; (2)College of Pharmacy, University of Michigan, Ann Arbor, MI

## 209. Evaluation of heart failure therapy in patients with end-stage renal disease.

*Tate Cutshall, Pharm.D.,<sup>1</sup> Benjamin T. Duhart Jr, M.S., Pharm.D.,<sup>2</sup> Jagannath Saikumar, M.D.,<sup>3</sup> Michael Samarin, Pharm.D., BCPS, BCCCP,<sup>4</sup> Lydia Hutchison, Pharm.D., BCPS, CGP,<sup>1</sup> Joanna Hudson, Pharm.D., BCPS, FASN, FCCP, FNKF<sup>2</sup>; (1)Methodist University Hospital, Memphis, TN; (2)Department of Clinical Pharmacy, University of Tennessee College of Pharmacy, Memphis, TN; (3)Department of Medicine (Nephrology), University of Tennessee, Memphis, TN; (4)Department of Pharmacy, Methodist Le Bonheur Healthcare - University Hospital, Memphis, TN*

## 210. Impact of clinical pharmacists' interventions on the management of anemia in chronic hemodialysis patients.

*Mohammad Zaitoun, BScPharm, Pharm.D., BCCP,<sup>1</sup> Sara Hazem, BSc(Pharm), Dip(ClinPharm), BCPS,<sup>1</sup> Khalid Al-Alsheikh, M.D.,<sup>2</sup> Adel Abou Ali, Pharm.D., ScD, M.S.,<sup>3</sup>; (1)Pharmacy Department, Armed Forces Hospitals Southern Region, Khamis Mushait, Saudi Arabia; (2)Nephrology Department, Armed Forces Hospitals Southern Region, Khamis Mushait, Saudi Arabia; (3)Clinical Pharmacy Department, Faculty of Pharmacy, King Khalid University, Abha, Saudi Arabia*

## 211. Are statins associated with muscular complaints in dialysis patients? Results from a double-blind cross-sectional study.

*Sarah Hassinger, Pharm.D. Candidate, Letitia Warunek, Pharm.D. Candidate, Edward Foote, Pharm.D.; Nesbitt School of Pharmacy, Wilkes University, Wilkes-Barre, PA*

**Other**

## 216. Lifitegrast 5.0% versus placebo for dry eye disease: pooled analysis of symptom outcomes from the OPUS-2 and OPUS-3 phase 3 studies.

*Monica Roy, OD, MPH, FAAO,<sup>1</sup> Paul Karpecki, OD, FAAO,<sup>2</sup> Cynthia Matossian, M.D., FACS,<sup>3</sup> Kenneth Sall, M.D.,<sup>4</sup> Aparna Raychaudhuri, Ph.D.,<sup>1</sup> Amir Shojaei, Pharm.D., Ph.D.,<sup>1</sup>; (1)Shire, Lexington, MA; (2) Kentucky Eye Institute, Lexington, KY; (3)Matossian Eye Associates, Doylestown, PA; (4)Sall Research Medical Center, Artesia, CA*

## 217. Exploring employer job requirements: a multi-state analysis of pharmacist job advertisements.

*Nancy Borja-Hart, Pharm.D.,<sup>1</sup> James Wheeler, Pharm.D.,<sup>1</sup> Tien Ngo, Pharm.D. Candidate,<sup>2</sup> Jasmine Cecil, Pharm.D. Candidate<sup>2</sup>; (1)College of Pharmacy; Department of Clinical Pharmacy, University of Tennessee Health Science Center, Nashville, TN; (2)College of Pharmacy, University of Tennessee Health Science Center, Nashville, TN*

**Pediatrics**

## 229. Methadone-induced QTc prolongation in hospitalized pediatric patients.

*Amy Schwinghammer, Pharm.D.,<sup>1</sup> Brent Hall, Pharm.D., BCPPS,<sup>1</sup> Machel Wilson, Ph.D.,<sup>2</sup>; (1) Department of Pharmacy, University of California Davis Children's Hospital, CA; (2)Department of Public Health Sciences, Clinical and Translational Science Center, UC Davis, CA*

**Pharmacogenomics/Pharmacogenetics**

## 250. Implications of polymorphisms in BCKDK and GATA-4 genetic regions on stable warfarin dose in African Americans.

*Salma Bargal, BScPharm, Jennifer Kight, Pharm.D. Candidate, Felipe de Oliveira, M.S., Mohamed Shahin, Ph.D., Taimour Langae, Ph.D., Yan Gong, Ph.D., Issam Hamadeh, Pharm.D., Rhonda Cooper-DeHoff, Pharm.D., M.S., Larisa Cavallari, Pharm.D.; Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL*

## Transplant/Immunology

274E. Qualitative assessment of patient-perceived treatment burden following cardiac transplantation.

Kimberly Deininger, MPH,<sup>1</sup> Jennifer Reich, Ph.D.,<sup>2</sup> Jan Hirsch, BSPHarm, Ph.D.,<sup>3</sup> Sarah Graveline, B.S.,<sup>3</sup> Ashley Feist, Pharm.D.,<sup>3</sup> Joanne LaFleur, Pharm.D., MSPH,<sup>4</sup> Steven Smith, Pharm.D., MPH,<sup>5</sup> Amrut Ambardekar, M.D.,<sup>1</sup> JoAnn Lindenfeld, M.D.,<sup>6</sup> *Christina Aquilante, Pharm.D.<sup>1</sup>*; (1)University of Colorado, Aurora, CO; (2)University of Colorado; (3)University of California San Diego; (4)University of Utah; (5) University of Florida; (6)Vanderbilt University, Nashville, TN

275E. Pharmacist impact on medication errors in a chronic kidney transplant clinic.

*Kelly Covert, Pharm.D.,<sup>1</sup> Caitlin Mardis, Pharm.D.,<sup>1</sup> James Fleming, Pharm.D.,<sup>2</sup> Nicole Pilch, Pharm.D.,<sup>1</sup> Holly Meadows, Pharm.D.,<sup>1</sup> Andrew Mardis, Pharm.D.,<sup>1</sup> Prince Mohan, M.D.,<sup>1</sup> Maria Posadas-Salas, M.D.,<sup>2</sup> Tittle Srinivas, M.D.,<sup>1</sup> David Taber, Pharm.D.<sup>1</sup>*; (1)Medical University of South Carolina; (2)Medical University of South Carolina, Charleston, SC

276E. Development of a predictive model for medication errors in kidney transplant recipients.

*Kelly Covert, Pharm.D.,<sup>1</sup> Caitlin Mardis, Pharm.D.,<sup>1</sup> James Fleming, Pharm.D.,<sup>2</sup> Nicole Pilch, Pharm.D.,<sup>1</sup> Holly Meadows, Pharm.D.,<sup>1</sup> Andrew Mardis, Pharm.D.,<sup>1</sup> Prince Mohan, M.D.,<sup>1</sup> Maria Posadas-Salas, M.D.,<sup>2</sup> Tittle Srinivas, M.D.,<sup>1</sup> David Taber, Pharm.D.<sup>1</sup>*; (1)Medical University of South Carolina; (2) Medical University of South Carolina, Charleston, SC

281E. Safety, efficacy, and cost saving potential of various weight-based dosing for thymoglobulin induction therapy in kidney transplant recipients.

*Ryan Miller, Pharm.D., Holly Meadows, Pharm.D., Sara Strout, Pharm.D., Tara Veasey, Pharm.D., Caitlin Mardis, Pharm.D., Andrew Mardis, Pharm.D., Dave Taber, Pharm.D., M.S., Nicole Pilch, Pharm.D., M.S., K.D. Chavin, M.D., Ph.D., James Fleming, Pharm.D.*; Medical University of South Carolina, Charleston, SC

282E. Do morbidly obese patients have an increased risk of infection post-kidney transplant?

*Sara Strout, Pharm.D., Nicole Pilch, Pharm.D., M.S., Tara Veasey, Pharm.D., Ryan Miller, Pharm.D., James Fleming, Pharm.D., Holly Meadows, Pharm.D., Caitlin Mardis, Pharm.D., Andrew Mardis, Pharm.D., Prabhakar Baliga, M.D., Maria Posadas-Salas, M.D., John McGillicuddy, M.D., Dave Taber, Pharm.D., M.S.*; Medical University of South Carolina, Charleston, SC

## CASE REPORTS

These papers update and expand therapeutic insights and possibilities, or generate research hypotheses. Although narrative in nature, these abstracts stress the “evidence” for the authors’ conclusions by describing the process followed to understand the findings and possible mechanisms involved in the patient’s case, how the patient was evaluated and treated, and a specific description of the outcome.

## Critical Care

469. Low-dose ketamine infusion for adjunct management during vaso-occlusive episodes in adults with sickle cell disease: a case series.

*Nicole Palm, Pharm.D.,<sup>1</sup> Catherine Floroff, Pharm.D., BCCCP, BCPS,<sup>2</sup> Tanna Hassig, Pharm.D., BCPS3;* (1)Department of Pharmacy, Cleveland Clinic Foundation, Cleveland, OH; (2)Sentara Healthcare, Norfolk, VA; (3)Medical University of South Carolina, Charleston, SC

470. Lactobacillus bacteremia from probiotic administration in a critically ill cardiac surgery patient: a case report.

*Andrea S. Newsome, Pharm.D., BCPS, BCCCP,<sup>1</sup> Zachary Reuge, Pharm.D. Candidate<sup>2</sup>*; (1)Department of Pharmacy, University of Georgia College of Pharmacy, Athens, GA; (2)University of Georgia College of Pharmacy



471E. Aluminum toxicity from combination therapy of sucralfate and citric acid in a cardiac surgery patient.

*Andrea S. Newsome, Pharm.D., BCPS, BCCCP*;<sup>1</sup> Emily Higdon, Pharm.D.;<sup>2</sup> Dwayne Pierce, Pharm.D.;<sup>2</sup> Mohamed Gaber, M.D.;<sup>2</sup> Vikas Kumar, M.D.2; (1)Department of Pharmacy, University of Georgia College of Pharmacy, Athens, GA; (2)Augusta University

## Infectious Diseases

476. A case of rapid-onset daptomycin-induced neutropenia.

Jason Lancaster, Pharm.D., Med;<sup>1</sup> Christine Vaudo, Pharm.D.;<sup>2</sup> Satinder Singh, M.D.;<sup>3</sup> (1)School of Pharmacy, Northeastern University, Boston, MA; (2)Department of Pharmacy, Lahey Hospital & Medical Center, Burlington, MA; (3)Department of Hospital Medicine, Lahey Hospital & Medical Center, Burlington, MA

477. Case report of a combined albendazole and praziquantel therapy in an adult female with neurocysticercosis and generalized tonic-clonic seizures.

Katerina Petrov, Pharm.D., BCPS;<sup>1</sup> Faith Ihongbe, Pharm.D. Candidate;<sup>1</sup> Sarfraz Choudhary, M.D., FACP2; (1)Bernard J. Dunn School of Pharmacy, Shenandoah University, Ashburn, VA; (2)INOVA Loudoun Hospital, Leesburg, VA

## CLINICAL PHARMACY FORUM

These papers describe the development, delivery, justification, or documentation of new or innovative clinical pharmacy services; they may be descriptive and need not contain an evaluative component.

### Clinical Administration

317. Development of clinical pharmacy services within a community hospital.

Kristina Bryowsky, Pharm.D., *Lauren Odum, Pharm.D.*, Emily Buchanan, Pharm.D., Chris Carter, Pharm.D., Kylie Scimio, Pharm.D., Molly Thompson, Pharm.D., Tyson Lotz, Pharm.D.; Department of Pharmacy, St. Clare Hospital, Fenton, MO

318. Transition of clinical pharmacists and clinical pharmacy specialists to mid-level provider status within the VA Central Iowa Healthcare System.

*Mary Rasmussen, Pharm.D.*,<sup>1</sup> Mary Beth Gross, BSPharm, Pharm.D.,<sup>1</sup> Jessica Coleman, BSW2; (1) Pharmacy Department 119, VA Central Iowa Healthcare System, Des Moines, IA; (2)Credentialing, VA Central Iowa Healthcare System, Des Moines, IA

### Medication Safety

337. Evaluation of information management system intervention to prevent medication errors with retrospective data analysis.

*Wang Pin Hsin, B.S.*,<sup>1</sup> Su-Han Hsu, B.S.,<sup>2</sup> Lih-Chi Chen, Doctor,<sup>3</sup> Pei-Chun Chen, M.S.,<sup>2</sup> Chi-Ting Tseng, M.S.,<sup>2</sup> Tsai-Hsuan Lei, B.S.;<sup>4</sup> (1)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan; (2)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan, Taipei, Taiwan; (3)Department of Pharmacy, Department of Pharmacy, Taipei City Hospital, Taipei, Taiwan., Taipei, Taiwan; (4)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan., Taipei, Taiwan

338. Improving patients' medication knowledge through pharmacy-based discharge counseling.

*Farid Sheikh, Pharm.D.*, Khaja Ahmed, RPh, M.S., MBA, Staci Anderson, Pharm.D., Stephen Rettig, Pharm.D.; Department of Pharmacy, Clovis Community Medical Center, Clovis, CA

339. Making a pilot program a reality: bridging gaps in healthcare through direct pharmacist involvement in hospital admission, discharge, and patient education.

*Deanna Rossi, Pharm.D., Deborah Fernandez, Pharm.D., Andria Brantley, Pharm.D.; Memorial Hospital Pembroke, Pembroke Pines, FL*

## STUDENT RESEARCH IN PROGRESS

These papers describe in-progress hypothesis-driven research in basic, clinical, translational, dissemination/implementation, or educational research.

### ADR/Drug Interactions

401. Characterization of palliative care drug-related hospital readmissions: a retrospective analysis.

*Ryann O'Neill, Pharm.D. Candidate,<sup>1</sup> Jillian Grapsy, Pharm.D. Candidate,<sup>1</sup> Jenna Borowski, Pharm.D. Candidate,<sup>1</sup> Jennifer Pruskowski, Pharm.D., BCPS, CGP, CPE2; (1)University of Pittsburgh School of Pharmacy, Pittsburgh, PA; (2)Palliative and Supportive Institute (PSI), University of Pittsburgh Medical Center*

402. Drug-drug interactions of tricyclic antidepressants in US outpatient settings.

*Masaad Almutairi, Pharm.D. Candidate,<sup>1</sup> Leanne Lai, Ph.D.<sup>2</sup>; (1)Pharmacy, Nova Southeastern University College of Pharmacy, Davie, FL; (2)Sociobehavioral and Administrative Pharmacy, Nova Southeastern University College of Pharmacy, Davie, FL*

### Adult Medicine

403. Quantitative assessment of pill burden for heart failure patients.

*Christine Jiang, Pharm.D. Candidate, Jean Nappi, Pharm.D.; Medical University of South Carolina, Charleston, SC*

### Ambulatory Care

404. Effective communication across the transitions of care continuum for the diabetic population: a pilot study.

*Felicia Bartlett, Pharm.D. Candidate,<sup>1</sup> Kathleen Pincus, Pharm.D., BCPS,<sup>2</sup> Jason Ramirez, M.D.<sup>3</sup>; (1) University of Maryland School of Pharmacy, Baltimore, MD; (2)Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD; (3)Department of Family and Community Medicine, University of Maryland School of Medicine, Baltimore, MD*

405. Pharmacist's knowledge and awareness of the current and new consult agreement laws in the state of Ohio.

*Inna Garasimchuk, anticipated Pharm.D. 2017,<sup>1</sup> Patrick J. Gallegos, Pharm.D., BCPS,<sup>2</sup> Mate Soric, Pharm.D., BCPS3; (1)Student College of Clinical Pharmacy, Northeast Ohio Medical University, Rootstown, OH; (2)Northeast Ohio Medical University, Rootstown, OH; (3)Department of Pharmacy Practice, Northeast Ohio Medical University and University Hospitals Geauga Medical Center, Rootstown, OH*

### Cardiovascular

406. Medication regimen complexity over time following left ventricular assist device implantation.

*David Pastore, B.S.,<sup>1</sup> Kimberly Deininger, MPH,<sup>1</sup> Andreas Brieke, M.D.,<sup>1</sup> Robert Page II, Pharm.D., MSPH,<sup>1</sup> Anne Libby, Ph.D.,<sup>1</sup> Amrut Ambardekar, M.D.,<sup>1</sup> JoAnn Lindenfeld, M.D.,<sup>2</sup> Christina Aquilante, Pharm.D.<sup>1</sup>; (1)University of Colorado, Aurora, CO; (2)Vanderbilt University, Nashville, TN*

407. Improving quality of life and cardiovascular health and wellness of elderly patients in South Florida.

*JaneClare Miller, Pharm.D. Candidate,<sup>1</sup> Alejandro Nieves, M.S., Pharm.D. Candidate,<sup>1</sup> Genevieve Hale,*

Pharm.D., BCPS,<sup>1</sup> Stacey Maravent, Pharm.D.,<sup>1</sup> Tina Joseph, Pharm.D., BCACP,<sup>2</sup> Sarah Alameddine, Pharm.D.<sup>1</sup>; (1)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL; (2) Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL

### Community Pharmacy Practice

408. Assessment of student pharmacist perceptions of pharmacy workload concerns in New Hampshire.

*Gabrielle Hill, Pharm.D. Candidate,<sup>1</sup> Helen C. Pervanas, Pharm.D.<sup>2</sup>*; (1)MCPHS University, Manchester, NH; (2)Pharmacy Practice Department, MCPHS University, Manchester, NH

### Critical Care

409. Stress ulcer prophylaxis in critically ill patients.

*Sarah H. Darby, Pharm.D. Candidate,<sup>1</sup> Leslie A. Hamilton, Pharm.D., BCPS, BCCCP,<sup>1</sup> Allan J. Hamilton, M.D.<sup>2</sup>*; (1)University of Tennessee Health Science Center College of Pharmacy, Knoxville, TN; (2) Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center

410. Assessment and comparison of two protocols for intravenous electrolyte replacement in critically ill patients.

*Jacob Lines, Pharm.D. Candidate,<sup>1</sup> Lauren Hord, M.A., Pharm.D. Candidate,<sup>1</sup> Phillip Mohorn, Pharm.D., BCPS, BCCCP,<sup>2</sup> Farah Kablaoui, Pharm.D., BCPS,<sup>3</sup> Jenna Foster, Pharm.D., BCPS, BCCCP<sup>4</sup>*; (1)South Carolina College of Pharmacy, USC Campus, Columbia, SC; (2)Department of Pharmacy, Spartanburg Regional Healthcare System, Spartanburg, SC; (3)Pharmacy Services Department, Cleveland Clinic Abu Dhabi, Al Maryah Island, United Arab Emirates; (4)Department of Pharmaceutical Services and Clinical Nutrition, Palmetto Health Richland, Columbia, SC

411. Evaluation of heparin anticoagulation practices in an extracorporeal membrane oxygenation patient population.

*Brendan Mangan, Pharm.D. Candidate,<sup>1</sup> Peter Nikolos, Pharm.D. Candidate,<sup>1</sup> Lauren Schmidt, Pharm.D. Candidate,<sup>2</sup> Christina Rose, Pharm.D., BCPS<sup>2</sup>*; (1)Temple University School of Pharmacy, Philadelphia, PA; (2)Department of Pharmacy Practice, Temple University School of Pharmacy, Philadelphia, PA

412. Prophylactic anticoagulation with weight-based enoxaparin in the morbidly obese trauma patient population.

*Kristina Stemple, Pharm.D. Candidate,<sup>1</sup> Maria Cumpston, Pharm.D.,<sup>1</sup> Karen Petros, Pharm.D.,<sup>1</sup> Carrie DeFazio, Pharm.D.,<sup>1</sup> Uzer Khan, M.D.,<sup>2</sup> Alison Wilson, M.D.<sup>2</sup>*; (1)West Virginia University Medicine, Department of Pharmacy; (2)West Virginia University School of Medicine, Department of Surgery

### Education/Training

413. Understanding of diabetes care among frail elders/caregivers in a PACE model.

*Victoria Hagen, Pharm.D. Candidate,<sup>1</sup> Karen M. McGee, Pharm.D., CDE<sup>2</sup>*; (1)South Carolina College of Pharmacy-USC; (2)South Carolina College of Pharmacy, Columbia, SC

414. Improving the standard of care: an interprofessional approach to include oral health education in doctor of pharmacy curricula.

*Siona Margaret Emerson, Pharm.D. Candidate,<sup>1</sup> Sandra Wolf, DMD Candidate,<sup>2</sup> Luisa Utset-Ward, DMD<sup>2</sup>*; (1)School of Pharmacy, Lake Erie College of Osteopathic Medicine, Bradenton, FL; (2)School of Dental Medicine, Lake Erie College of Osteopathic Medicine, Bradenton, FL

415. The effects of a peer mentoring program on organizational involvement.

*Craig J. Furnish, Pharm.D. Candidate 2017, Rachel Ruehl, Pharm.D. Candidate 2017, Patricia Wigle, Pharm.D., BCPS, BCACP, Andrea Wall, B.S.; University of Cincinnati James L. Winkle College of Pharmacy, Cincinnati, OH*

416. Knowledge of health literacy among student pharmacists.

*Emily Hellmann, Pharm.D. Candidate 2017,<sup>1</sup> Karissa Kim, Pharm.D., CACP, BCPS,<sup>2</sup> Anne Metzger, Pharm.D., BCPS, BCACP<sup>2</sup>; (1)University of Cincinnati James L. Winkle College of Pharmacy, Cincinnati, OH; (2)Division of Pharmacy Practice and Pharmaceutical Sciences, University of Cincinnati James L. Winkle College of Pharmacy, Cincinnati, OH*

417. PreDiaMe (prediabetes + me): an innovative prediabetes educational program by third year Pharm.D. students.

*Chava Chaitin, Pharm.D. Candidate,<sup>1</sup> Jaimie Velasquez, Pharm.D. Candidate,<sup>1</sup> Stephanie Chassagne, Pharm.D. Candidate,<sup>1</sup> Rennie Perez Torres, Pharm.D. Candidate,<sup>1</sup> Nile Khanfar, Ph.D., MBA,<sup>1</sup> Genevieve Hale, Pharm.D., BCPS,<sup>1</sup> Martha Rodriguez, M.D., PA<sup>2</sup>; (1)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL; (2)MMR Healthcare/Accountable Care Options, LLC, Boynton Beach, FL*

418. Pharmacy students' knowledge, attitudes, and skills in smoking cessation practice.

*Desiree Haisley, Pharm.D. Candidate,<sup>1</sup> Karissa Kim, Pharm.D., CACP, BCPS<sup>2</sup>; (1)College of Pharmacy, University of Cincinnati, Cincinnati, OH; (2)Division of Pharmacy Practice and Pharmaceutical Sciences, University of Cincinnati James L. Winkle College of Pharmacy, Cincinnati, OH*

419. Evaluation of a co-curricular lunchtime case study series.

*Daniela Fernandez, Pharm.D. Candidate, Jennifer G. Steinberg, Pharm.D.; Nova Southeastern University, College of Pharmacy, Fort Lauderdale, FL*

420. Increasing awareness on the use of e-cigarettes in young adolescents.

*Fabiana Diou-Labault, Pharm.D. Candidate, Zuleika Alvarado, Pharm.D. Candidate, Cleon Paul-Blake, Pharm.D. Candidate, Sarah Alameddine, Pharm.D., Genevieve Hale, Pharm.D., BCPS, Nile M. Khanfar, Ph.D., MBA; College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL*

421. Evaluating international rotation participation and impact on graduate career path.

*Meghan Lynch, B.S., Pharm.D. Candidate,<sup>1</sup> Ngoc Thanh, Pharm.D. Candidate,<sup>2</sup> Daniel Galipeau, Pharm.D. Candidate,<sup>3</sup> Whitley Yi, B.S., Pharm.D. Candidate,<sup>1</sup> Kari Franson, Pharm.D., Ph.D.<sup>4</sup>; (1) University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2) Skaggs School of Pharmacy and Pharmaceutical Sciences; (3)Denver Health Medical Center; (4) Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO*

## Emergency Medicine

422. Implementation of two interventions for sepsis to improve intravenous antibiotic administration time in the emergency department.

*Mika Jankowski, B.S., BSHS, B.A., Pharm.D. Candidate,<sup>1</sup> Megan Evans, Pharm.D.<sup>2</sup>; (1)Pharmacy Department and Emergency Department, St. Joseph's Hospital, Tucson, AZ; (2)Pharmacy Department, St. Joseph's Hospital*

423. Evaluation of a phenytoin dosing guideline in patients with traumatic brain injury.

*Catalina Saenz, Pharm.D. Candidate,<sup>1</sup> Karen Petros, Pharm.D.<sup>2</sup>; (1)West Virginia University School of Pharmacy, Morgantown, WV; (2)West Virginia University Healthcare-Ruby Memorial*

## Endocrinology

424. Innovating diabetic healthcare and mobile monitoring.

*Natalia Cadavid, Pharm.D. Candidate, Ariel Ferdock, Pharm.D. Candidate, Nicole Mahabir Herrera, Pharm.D. Candidate, Martisa Monokandilos, Pharm.D. Candidate, Melanie Schreiber, Pharm.D. Candidate, Genevieve Hale, Pharm.D., BCPS; College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL*

## Health Services Research

425. Oregon Medicaid policy evaluation: safety edit for attention deficit hyperactivity disorder medications.

*Amanda Jones, Pharm.D. Candidate, 2017,<sup>1</sup> Julie Cha, Pharm.D. Candidate, 2017,<sup>1</sup> Luke Middleton, B.S.,<sup>1</sup> Kathleen Ketchum, MPA HA,<sup>2</sup> Megan Herink, Pharm.D.;<sup>1</sup> (1)College of Pharmacy, Oregon State University/Oregon Health & Science University, Portland, OR; (2)College of Pharmacy, Oregon State University/Oregon Health & Science University, Corvallis, OR*

## Hematology/Anticoagulation

426. Evaluation of self-testing competency in anticoagulation management in a minority patient population: preliminary experience from a randomized controlled trial.

*Ali Alobaidi, Pharm.D. Candidate,<sup>1</sup> Beenish Manzoor, MPH, Ph.D. Candidate,<sup>1</sup> Edith A. Nutescu, Pharm.D., M.S., FCCP;<sup>2</sup> (1)Department of Pharmacy Systems, Outcomes and Policy, University of Illinois at Chicago, College of Pharmacy, Chicago, IL; (2)Department of Pharmacy Systems, Outcomes and Policy, Center for Pharmacoepidemiology and Pharmacoeconomic Research, University of Illinois at Chicago, College of Pharmacy, Chicago, IL*

427. Patient-related factors determining feasibility of anticoagulation self-monitoring in a minority population: a qualitative assessment.

*Annie Situ, Pharm.D. Candidate,<sup>1</sup> Beenish Manzoor, MPH, Ph.D. Candidate,<sup>2</sup> Edith A. Nutescu, Pharm.D., M.S., FCCP;<sup>3</sup> (1)University of Illinois at Chicago, College of Pharmacy, Chicago, IL; (2) Department of Pharmacy Systems, Outcomes and Policy, University of Illinois at Chicago, College of Pharmacy, Chicago, IL; (3)Department of Pharmacy Systems, Outcomes and Policy, Center for Pharmacoepidemiology and Pharmacoeconomic Research, University of Illinois at Chicago, College of Pharmacy, Chicago, IL*

## Herbal/Complementary Medicine

428. Understanding public perception of dietary supplements.

*Jeannette Bouchard, Student, Leticia Shea, Pharm.D., Matthew Fete, Ph.D., Erika Lourenco de Freitas, Ph.D.; School of Pharmacy, Regis University, Denver, CO*

## HIV/AIDS

429. Management of M184I or V mutation in human immunodeficiency virus infection.

*Chloe Majkowski, Pharm.D. Candidate,<sup>1</sup> Melissa E. Badowski, Pharm.D.,<sup>2</sup> Sarah Perez, Pharm.D.,<sup>3</sup> Thomas Chiampas, Pharm.D.,<sup>4</sup> Mahesh Patel, M.D.,<sup>5</sup> Jeremy Young, M.D., MPH;<sup>5</sup> (1)University of Illinois at Chicago, College of Pharmacy; (2)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (3)Tufts Medical Center; (4)Department of Pharmacy Practice, Section of Infectious Diseases, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (5)University of Illinois at Chicago, College of Medicine*

## Infectious Diseases

430. Impact on the infectious disease pharmacist specialist on hospital value-based purchasing outcomes.

*Kamarena Sankar, B.S.,<sup>1</sup> Sandra Benavides, Pharm.D., FCCP, FPPAG;<sup>2</sup> (1)Department of Pharmacy*

Practice, Nova Southeastern University College of Pharmacy, Davie, FL; (2)Department of Clinical and Administrative Sciences, Larkin Health Sciences Institute College of Pharmacy, Miami, FL

431. IP-10 concentrations and their association with acute respiratory infections in healthy individuals.

*Heather Champion, DPH-3 Student*,<sup>1</sup> Kelsey Henriquez, B.S.,<sup>1</sup> Jodi Barnett, M.S., B.S.,<sup>2</sup> Bruce Barrett, M.D., Ph.D.,<sup>2</sup> Mary Hayney, Pharm.D., MPH<sup>3</sup>; (1)School of Pharmacy, University of Wisconsin - Madison, Madison, WI; (2)Department of Family and Community Medicine, UW School of Medicine and Public Health, Madison, WI; (3)School of Pharmacy, University of Wisconsin-Madison, Madison, WI

432. Comparative-effectiveness of ceftaroline and daptomycin as first-line therapy for patients with infective endocarditis admitted to hospitals in the United States Veterans Health Care System.

*Lindsey Groff, B.S., Pharm.D. Student*,<sup>1</sup> Marilyn Mootz, B.S., Pharm.D. Student,<sup>1</sup> Rachel Britt, Pharm.D. Student,<sup>2</sup> Kirk Evoy, Pharm.D.,<sup>2</sup> Grace Lee, Pharm.D.,<sup>2</sup> Kelly Reveles, Pharm.D., Ph.D.,<sup>2</sup> Natalie Boyd, Pharm.D., M.S.,<sup>2</sup> Christopher Frei, Pharm.D., M.S.;<sup>2</sup> (1)University of Texas at Austin College of Pharmacy, Austin, TX; (2)University of Texas at Austin College of Pharmacy and University of Texas Health Science Center School of Medicine, San Antonio, TX

433. Prolonged exposure to B-lactam antibiotics reestablishes sensitivity of daptomycin-nonsusceptible *Staphylococcus aureus* to daptomycin.

*Rachel Graves, B.S., Andrew Berti, Pharm.D., Ph.D., Warren Rose, Pharm.D.*; University of Wisconsin School of Pharmacy, Madison, WI

434. In vitro activity of ceftolozane/tazobactam and ceftazidime/avibactam against multidrug-resistant gram-negative bacteria isolated in a southeastern US teaching hospital.

*Omar Jamjoom, Pharm.D. Candidate*,<sup>1</sup> Majdi Al-Hasan, M.D.,<sup>2</sup> P. Brandon Bookstaver, Pharm.D., FCCP, BCPS, AAHIVP,<sup>3</sup> Joseph Kohn, Pharm.D., BCPS,<sup>4</sup> Julie Ann Justo, Pharm.D., M.S., BCPS-AQ ID<sup>3</sup>; (1) South Carolina College of Pharmacy, Columbia, SC; (2)Department of Medicine, Division of Infection Diseases, University of South Carolina School of Medicine, Columbia, SC; (3)Department of Clinical Pharmacy & Outcomes Sciences, University of South Carolina College of Pharmacy, Columbia, SC; (4) Department of Pharmacy, Palmetto Health Richland, Columbia, SC

435. Appropriateness of empiric antimicrobial therapy in patients discharged from the emergency department.

*Alyssa Berganini, Pharm.D. Candidate 2017*,<sup>1</sup> Elisabeth Caulder, Pharm.D. Candidate 2017,<sup>1</sup> Nicole Smith, Pharm.D. Candidate 2017,<sup>1</sup> Julie Ann Justo, Pharm.D., M.S., BCPS-AQ ID,<sup>2</sup> Celeste Caulder, Pharm.D.,<sup>3</sup> Tina Hardison, Pharm.D., BCPS, BCCCP,<sup>4</sup> Christine Alexander, Pharm.D., BCPS,<sup>4</sup> Phillip Mohorn, Pharm.D., BCPS, BCCCP<sup>5</sup>; (1)University of South Carolina College of Pharmacy, Columbia, SC; (2)Department of Clinical Pharmacy & Outcomes Sciences, University of South Carolina College of Pharmacy, Columbia, SC; (3)Department of Clinical Pharmacy and Outcomes Sciences, University of South Carolina College of Pharmacy, Columbia, SC; (4)Palmetto Health Richland Hospital, Columbia, SC; (5)Department of Pharmacy, Spartanburg Regional Healthcare System, Spartanburg, SC

## Medication Safety

436. Safety culture among Egyptian healthcare providers at a pediatric cancer center.

*Sarah El-gendi, Pharm.D. Student*,<sup>1</sup> Amy Howard, Pharm.D. Student,<sup>1</sup> Sarah Mohamed, BSPharm,<sup>2</sup> Agnes Ann Feemster, Pharm.D., BCPS<sup>3</sup>; (1)School of Pharmacy, University of Maryland, Baltimore, Baltimore, MD; (2)Pharmacy, 57375 Children's Cancer Hospital, Cairo, Egypt; (3)Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD

## Nephrology

437. Comparative review of tertiary medical sources on dialysis of drugs for patients receiving intermittent hemodialysis.

*Jesse Dhakrit Rungkitwattanukul, Pharm.D. Candidate 2017*,<sup>1</sup> Thomas Dowling, Pharm.D., Ph.D., FCCP<sup>2</sup>; (1)University of Maryland School of Pharmacy, Baltimore, MD; (2)Department of Pharmacy Practice, Ferris State University College of Pharmacy, Big Rapids, MI

438. Comparison of characteristics of end-stage renal disease patients on dialysis prescribed P2Y12 inhibitors: clopidogrel, prasugrel or ticagrelor.

Rafia Rasu, Ph.D.,<sup>1</sup> Busuyi Olotu, Ph.D.,<sup>1</sup> *Margaret Hansen, Pharm.D. Candidate*,<sup>1</sup> Milind Phadnis, Ph.D.,<sup>2</sup> Jonathan Mahnken, Ph.D.,<sup>2</sup> Nishank Jain, M.D., MPH<sup>3</sup>; (1)School of Pharmacy, University of Kansas, Lawrence, KS; (2)Department of Biostatistics, University of Kansas School of Medicine, Kansas City, KS; (3)University of Arkansas for Medical Sciences, Little Rock, AR

## Neurology

439. A multi-center, double-blind, crossover, pilot study of the efficacy, tolerability and safety of dextromethorphan/ quinidine vs. sertraline in the treatment of involuntary emotional expression disorder in subjects with a traumatic brain injury.

*Katelyn Kammers, Pharm.D. Candidate*,<sup>1</sup> Cindi Laukes, M.A., MFA,<sup>2</sup> Bill Rosen, M.D.; (1)College of Health Professions & Biomedical Sciences, Neural Injury Center - University of Montana, Missoula, MT; (2)Neural Injury Center - University of Montana

## Oncology

440. Systematic review to evaluate the impact of CYP2D6 genotype-phenotype on endoxifen concentrations and breast cancer outcomes.

*Grace Hwang, Pharm.D. Candidate 2018*, Meghana Trivedi, Pharm.D., Ph.D., BCOP; Department of Pharmacy Practice and Translational Research, University of Houston College of Pharmacy, Houston, TX

441. Molecular modeling studies on heparan sulfate glycosaminoglycans.

Courtney Burkham, B.A., Pharm.D. Candidate,<sup>1</sup> *Bruno De Maria, B.S., Pharm.D. Candidate*,<sup>1</sup> Samantha Mansberger, B.S. Candidate,<sup>2</sup> Olgun Guvench, M.D., Ph.D.; (1)College of Pharmacy, University of New England, Portland, ME; (2)University of New England

## Other

442. CombiVial: your key to adherence, safety, and confidentiality.

*Barbara Parker, Pharm.D. Candidate*,<sup>1</sup> Sarah Alameddine, Pharm.D.<sup>2</sup>; (1)School of Pharmacy: Palm Beach Campus, Nova Southeastern University, Palm Beach Gardens, FL; (2)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL

443. The effect of advanced pharmacy practice experience grading on residency match rates.

*Ava-Dawn Hammond, Pharm.D. Candidate*,<sup>1</sup> Kathleen Pincus, Pharm.D., BCPS,<sup>2</sup> Brent N. Reed, Pharm.D., BCPS-AQ Cardiology,<sup>2</sup> Agnes Ann Feemster, Pharm.D., BCPS<sup>2</sup>; (1)University of Maryland School of Pharmacy, Baltimore, MD; (2)Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD

444. Evaluation of student characteristics and attainment of PGY1 pharmacy residency.

*Kiera Murray, B.S., Pharm.D. Candidate 2017*,<sup>1</sup> Antonia Vilella, Pharm.D., BCCCP, BCPS,<sup>2</sup> Sarah Eudaley, Pharm.D., BCPS<sup>3</sup>; (1)Lake Erie College of Osteopathic Medicine, School of Pharmacy, Bradenton, FL; (2)Bayfront Medical Center, St. Petersburg, FL; (3)University of Tennessee College of Pharmacy, Knoxville, TN

445. Evaluating the risk of hypertension with dopaminergic agonist/antagonist use.

*Vinika Amin, Pharm.D. Candidate*,<sup>1</sup> Nrupa Gonsai, Pharm.D. Candidate,<sup>1</sup> Chandani Mendpar, Pharm.D. Candidate,<sup>1</sup> Robert Speth, M.A., Ph.D.,<sup>1</sup> Genevieve Hale, Pharm.D., BCPS<sup>2</sup>; (1)College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL; (2)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL

### **Pain Management/Analgesia**

446. Prevalence of pain conditions and evaluation of pain medication management in patients admitted to a large academic hospital.

*Anne Reda, Pharm.D. Candidate*, Tran Tran, Pharm.D., BCPS; Chicago College of Pharmacy, Midwestern University, Downers Grove, IL

### **Pediatrics**

447. Incidence of hypophosphatemia in very low birth weight infants receiving parenteral nutrition.

*Justin Gardo, Pharm.D. Candidate*,<sup>1</sup> Caroline Macpherson, Pharm.D. Candidate,<sup>1</sup> Sona Tailor, Pharm.D. Candidate,<sup>1</sup> Christina Cox, Pharm.D., BCPS, BCPPS<sup>2</sup>; (1)South Carolina College of Pharmacy; (2)Clinical Pharmacy and Outcomes Sciences, South Carolina College of Pharmacy, USC Campus

448. Pharmacist involvement in pediatric summer camps for patients with chronic kidney disease.

*Tracy Hagemann, Pharm.D.*,<sup>1</sup> Jordan Perrine, B.S.<sup>2</sup>; (1)University of Tennessee College of Pharmacy; (2) University of Tennessee Health Science Center College of Pharmacy (NOTE: Poster will be presented during the second session Sunday 3:30–5:00)

### **Pharmacogenomics/Pharmacogenetics**

449. The influence of CYP2C19 genetic polymorphism on the pharmacokinetics of cilostazol and its active metabolites.

*Dong-Hyun Kim, B.S.*, Choong-Min Lee, B.S., Young-Hoon Kim, Ph.D. Candidate, Ji-Yeong Byeon, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

450. No association between different CYP2D6\*10 allele and pharmacokinetics of clomiphen.

*Dong-Hyun Kim, B.S.*, Young-Hoon Kim, Ph.D. Candidate, Ji-Yeong Byeon, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

451. CYP2D6 genetic polymorphisms significantly affected the pharmacokinetics of risperidone and its active metabolite.

*Hye-Jin Lim, B.S.*, Dong-Hyun Kim, B.S., Ji-Yeong Byeon, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

452. Pharmacokinetics of risperidone after administration of clarithromycin in relation to CYP2D6 genotype.

*Hye-Jin Lim, B.S.*, Ji-Yeong Byeon, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

453. The role of CYP2D6 genetic variants in the pharmacokinetics of single-dose tolterodine.

*Choong-Min Lee, B.S.*, Dong-Hyun Kim, B.S., Young-Hoon Kim, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

454. Drug-drug interaction between clarithromycin and tramadol in different CYP2D6 genotypes.

Choong-Min Lee, B.S., Young-Hoon Kim, Ph.D. Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea



455. Factors influencing beliefs about pharmacogenetics testing in patients with chronic pain. *Brent Lovato, Pharm.D. Candidate*,<sup>1</sup> Kristin Weitzel, Pharm.D., CDE, FAPhA,<sup>1</sup> Amanda Elsey, MHA,<sup>1</sup> Caitrin W. McDonough, Ph.D.,<sup>1</sup> Yan Gong, Ph.D.,<sup>1</sup> Roger B. Fillingim, Ph.D.,<sup>2</sup> Siegfried O.F. Schmidt, M.D., Ph.D.,<sup>3</sup> Julie A. Johnson, Pharm.D.,<sup>1</sup> Larisa H. Cavallari, Pharm.D.<sup>1</sup>; (1)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL; (2)Department of Community Dentistry and Behavioral Science, College of Dentistry, University of Florida, Gainesville, FL; (3)Department of Community Health and Family Medicine, College of Medicine, University of Florida, Gainesville, FL

456. Determining the potential value of preemptive multi-variant genotyping in primary care clinics.

*Cara Nys, B.S.*,<sup>1</sup> Kristin Weitzel, Pharm.D., CDE, FAPhA,<sup>1</sup> Amanda Elsey, MHA,<sup>1</sup> Brent Lovato, Pharm.D. Candidate,<sup>1</sup> Siegfried O.F. Schmidt, M.D., Ph.D.,<sup>2</sup> Julie Johnson, Pharm.D.,<sup>1</sup> Larisa H. Cavallari, Pharm.D., BCPS, FCCP;<sup>1</sup> (1)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL; (2)Department of Community Health and Family Medicine, College of Medicine, University of Florida, Gainesville, FL

### **Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery**

457. Effect of gliadin-induced enteropathy in rats on in vitro hepatic metabolism of simvastatin. *Mallory Mouradjian, Pharm.D. Candidate 2017*, Iman Zaghoul, Ph.D.; School of Pharmacy, MCPHS University, Boston, MA

458. Identification of amino acid residues necessary for modulation of CAR-mediated transcription of ADME genes by CINPA<sup>1</sup>: a study-in-progress.

*Morgan A Casal, N/A, Milu Cherian, Ph.D.*, Sergio Chai, Ph.D., Taosheng Chen, Ph.D.; Department of Chemical Biology & Therapeutics, St. Jude Children's Research Hospital, Memphis, TN

### **Rheumatology**

459. Biologics and biosimilars in the treatment of rheumatoid arthritis.

*Tomona Iso, B.A., Jennifer Fore, B.A.*, Yana Vorontsova, B.A., Hatton Rachel, B.A.; College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL

### **Substance Abuse/Toxicology**

460. Pharmacy student knowledge and opinions of opioid use disorder and dispensing naloxone in a community pharmacy setting.

*Audrey Abelleira, B.A.*,<sup>1</sup> Helen C. Pervanas, Pharm.D.<sup>2</sup>; (1)School of Pharmacy, MCPHS University, Manchester, NH; (2)Pharmacy Practice Department, MCPHS University, Manchester, NH

### **Transplantation/Immunology**

461. Treatment responsiveness of immunosuppressant-induced complications following lung transplantation.

*Nathan Menninga, B.S., Pharm.D. Candidate*, Youqi Zhang, Pharm.D. Candidate, Rachel Sands, Pharm.D. Candidate, Mary Hayney, Pharm.D., MPH, John Dopp, Pharm.D., M.S.; School of Pharmacy, University of Wisconsin-Madison, Madison, WI

### **Women's Health**

462. Miscarriage and fluconazole: interpreting the evidence.

*Kamarena Sankar, B.S.*,<sup>1</sup> David Leon, Pharm.D. Candidate,<sup>2</sup> Sandra Benavides, Pharm.D., FCCP, FPPAG<sup>3</sup>; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Davie, FL; (2)College of Pharmacy, Nova Southeastern University, Davie, FL; (3)Department of Clinical and Administrative Sciences, Larkin Health Sciences Institute College of Pharmacy, Miami, FL

**SUNDAY 3:30 PM to 5:00 PM - Grand Ballroom - East**

458	516	517	518	519	520
448	400	399	398	397	396
390	391	392	393	394	395
389	388	387	386	385	384
378	379	380	381	382	383
377	376	375	374	373	372
366	367	368	369	370	371
365	364	363	362	361	360
354	355	356	357	358	359
353	352	351	350	349	348
497E	501	502	345	346	347
496E	495E	490	322	321	320
479	480	482E	483	306	319
478	273	267	254	218	193
177	180	182	184	187	190
174	167	141	140	139	138
111E	112E	113E	122	135	137
110E	109E	108E	83	82	81
43	48	68	72	76	79
41	5	CRC	CRC	CRC	CRC
Entrance					

CRC = 2016 Clinical Research Challenge Winners

## Scientific Poster Presentations, II

**Sunday, October 23**

Grand Ballroom East

3:30 p.m. – 5:00 p.m.

### ENCORE PRESENTATIONS

Abstracts marked with an “E” are Encore Presentations. Encore Presentations have been presented elsewhere or published in abstract form before the 2016 ACCP Annual Meeting.

### AWARDS COMPETITION

Finalists for the Best Student Poster, Best Resident and Fellow Poster, and Best Poster awards will be designated by a ribbon pinned to select posters. The winning Best Student Poster, Best Resident and Fellow Poster, and the winning and first runner-up Best Poster authors will present their research during the Best Posters Platform Session from 3:45 p.m. to 5:00 p.m., on Tuesday, October 25, in Regency Ballroom 3.

### ORIGINAL RESEARCH

These papers describe quantitative or qualitative findings in basic, clinical, translational, dissemination/implementation, or educational research.

#### Adult Medicine

5. Fixed-dose tranexamic acid in patients undergoing primary unilateral total hip or knee arthroplasty.

*Michelle Kohute, Pharm.D.,<sup>1</sup> Rachael Durie, Pharm.D., BCPS,<sup>2</sup> Danielle Candelario, Pharm.D., BCPS<sup>1</sup>; (1) Jersey Shore University Medical Center, Neptune, NJ; (2) Rutgers University - Ernest Mario School of Pharmacy, Piscataway, NJ*

#### Cardiovascular

41. Feasibility of apixaban dose adjustment recommendations in atrial fibrillation.

*Caitlin Gibson, Pharm.D.,<sup>1</sup> Carmen B. Smith, Pharm.D., BCPS,<sup>2</sup> Michael Scalese, Pharm.D.<sup>3</sup>; (1) Department of Pharmacotherapy, University of North Texas System College of Pharmacy, Fort Worth, TX; (2) St. Louis College of Pharmacy, St. Louis, MO; (3) Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Mobile, AL*

43. Optimal heparin dosing in the obese and morbidly obese.

*Emily Breedlove, Pharm.D.,<sup>1</sup> Lindsey Hosch, Pharm.D.,<sup>1</sup> Lauren Scono, Pharm.D.,<sup>1</sup> Chad Knoderer, Pharm.D.<sup>2</sup>; (1) Pharmacy, St. Francis Health, Indianapolis, IN; (2) Butler University College of Pharmacy and Health Sciences, Indianapolis, IN*

48. Venous thromboembolism prophylaxis in medically ill patients; a mixed treatment comparison meta-analysis.

*Abir O. Kanaan, Pharm.D.,<sup>1</sup> Jennifer L. Donovan, Pharm.D.,<sup>2</sup> Majed Al Yami, Pharm.D., BCPS, ASH-CHC,<sup>3</sup> Matthew A. Silva, Pharm.D.<sup>2</sup>; (1) Meyers Primary Care Institute, Worcester, MA; (2) MCPHS University, Worcester, MA; (3) University of Arizona, Tucson, AZ*

#### Education/Training

68. Assessing first-year pharmacy student and faculty perceptions of objective structured clinical examinations.

*Elias Chahine, Pharm.D., BCPS-AQ ID, Anne Haring, Pharm.D., Jamie Fairclough, MPH, Ph.D.,*

MSPharm, Dana Brown, Pharm.D., BCPS, Aisha Shokoya, Pharm.D. Candidate; Lloyd L. Gregory School of Pharmacy, Palm Beach Atlantic University, West Palm Beach, FL

72. Student versus residency program perceptions of a high-quality PGY1 residency applicant.  
*Caitlin Gibson, Pharm.D.*, Shara Elrod, Pharm.D.; Department of Pharmacotherapy, University of North Texas System College of Pharmacy, Fort Worth, TX

76. Does personality type influence the selection of doctor of pharmacy candidates for a PGY1 residency?

*Frank Paloucek, BPSPharm, Pharm.D.*,<sup>1</sup> Nicholas Popovich, Ph.D.,<sup>2</sup> Chintan Patel, Pharm.D.,<sup>3</sup> Shaveta Khosla, B.S., M.S.<sup>4</sup>; (1)Department of Pharmacy Practice, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)Office of Professional Development (M/C 874), University of Illinois at Chicago College of Pharmacy, Chicago, IL; (3)Department of Pharmacy Practice M/C 886, University of Illinois College of Pharmacy, Chicago, IL; (4)Division of Epidemiology and Biostatistics M/C 924, University of Illinois School of Public Health, Chicago, IL

79. Impact of teaching OSCE implementation on student performance in a pharmacotherapy course.

*Kylie Barnes, Pharm.D.*, Maqual Graham, Pharm.D.; Division of Pharmacy Practice and Administration, University of Missouri Kansas City School of Pharmacy, Kansas City, MO

81. Student-led educational sessions: participant perceptions.

*Kristin M. Janzen, Pharm.D.*,<sup>1</sup> Lauren Kormelink, Pharm.D.,<sup>2</sup> Lindsay Saum, Pharm.D., BCPS, CGP,<sup>3</sup> Sarah A. Nisly, Pharm.D., BCPS<sup>4</sup>; (1)Butler University College of Pharmacy and Health Sciences & Indiana University Health, Indianapolis, IN; (2)Indiana University Health, Indianapolis, IN; (3)Butler University College of Pharmacy and Health Sciences & St. Vincent Health, Indianapolis, IN

82. Outcomes of a teaching certificate program offered to practicing pharmacists.

*Gwendolyn Wantuch, Pharm.D.*, BCPS, Jaclyn Cole, Pharm.D., BCPS, Melissa Ruble, Pharm.D., BCPS; Department of Pharmacotherapeutics and Clinical Research, University of South Florida, College of Pharmacy, Tampa, FL

83. Evaluation of effectiveness of pharmacist-driven education on inhaler technique for hospitalized patients at a community teaching medical center.

*Khushbu Thaker, Pharm.D.*,<sup>1</sup> Ashmi Philips, Pharm.D., AAHIVP,<sup>2</sup> Hinal Patel, Pharm.D., BCPS,<sup>1</sup> Thom K. Nguyen, Pharm.D., BCPS, CTTS,<sup>2</sup> Navin Philips, Pharm.D., B.S.<sup>1</sup>; (1)Department of Pharmaceutical Services, Hunterdon Medical Center, Flemington, NJ; (2)Department of Pharmacy Practice and Administration, Rutgers, State University of New Jersey, Piscataway, NJ

## Endocrinology

108E. Achieving the composite endpoint of A1C, body weight, and systolic blood pressure reduction with canagliflozin in patients with type 2 diabetes.

Katherine Merton, Ph.D., MBA,<sup>1</sup> Michael Davies, Ph.D.,<sup>2</sup> Ujjwala Vijapurkar, Ph.D.,<sup>3</sup> Doreen Inman, Pharm.D., MBA, BCPS, CDE,<sup>1</sup> Gary Meininger, M.D.<sup>3</sup>; (1)Janssen Scientific Affairs, LLC, Raritan, NJ; (2) Janssen Scientific Affairs, LLC, Raritan, NJ; (3)Janssen Research & Development, LLC, Raritan, NJ

109E. Reduced hypoglycemia and comparable efficacy with insulin glargine 300 U/mL (Gla-300) versus insulin glargine 100 U/mL (Gla-100) in subjects with T2D achieving different levels of pre-breakfast SMPG.

*Timothy Reid, M.D.*,<sup>1</sup> Ola Odugbesan, M.D.,<sup>2</sup> Jasvinder Gill, M.D.,<sup>3</sup> Elena Nikonov, M.D.,<sup>4</sup> Jason Chao, Ph.D.,<sup>3</sup> Timothy Bailey, M.D.<sup>5</sup>; (1)Mercy Diabetes Center; (2)North Atlanta Endocrinology and Diabetes; (3)Sanofi US, Inc.; (4)Sanofi, Inc.; (5)AMCR Clinic

110E. Reduced hypoglycemia and comparable efficacy with insulin glargine 300 U/ml in insulin naive subjects with T2D achieving different levels of pre-breakfast SMPG.

*Timothy Bailey, M.D.,<sup>1</sup> Jason Chao, Ph.D.,<sup>2</sup> Jasvinder Gill, M.D.,<sup>2</sup> Elena Nikonov, M.D.,<sup>3</sup> Ola Odugbesan, M.D.,<sup>4</sup> Timothy Reid, M.D.,<sup>5</sup>* (1)AMCR Clinic; (2)Sanofi US, Inc.; (3)Sanofi, Inc.; (4)North Atlanta Endocrinology and Diabetes; (5)Mercy Diabetes Center

111E. Efficacy and safety of the insulin glargine/lixisenatide fixed-ratio combination versus insulin glargine in patients with T2DM: the LixiLan-L trial (NCT02058160).

*Vanita Aroda, M.D., Ph.D.,<sup>1</sup> Julio Rosenstock, M.D.,<sup>2</sup> Carol Wysham, M.D.,<sup>3</sup> Jeffrey Unger, M.D., ABFM, FACE,<sup>4</sup> Diego Bellido, M.D.,<sup>5</sup> Guillermo Gonzalez-Galvez, M.D.,<sup>6</sup> Hailing Guo, M.Sc., MBA,<sup>7</sup> Akane Takami, M.D.,<sup>8</sup> Elisabeth Niemoeller, M.D.,<sup>9</sup> Elisabeth Souhami, M.D.,<sup>10</sup> Richard Bergenstal, M.D.,<sup>11</sup>* (1) MedStar Health Research Institute, Hyattsville, MD; (2)Dallas Diabetes and Endocrine Center, Dallas, TX; (3)Rockwood Clinic, Spokane, WA; (4)Catalina Research Institute LLC, Chino, CA; (5)Complejo Hospitalario Univ Ferrol, 15405 Ferrol, A Coruña, Spain; (6)Jalisco Institute of Diabetes & Obesity, Guadalajara, CP 44600, Mexico; (7)BMD Consulting Inc, Somerset, NJ; (8)Sanofi, Tokyo, Japan; (9) Sanofi, Frankfurt, Germany; (10)Sanofi, Paris, France; (11)International Diabetes Center, Minneapolis, MN

112E. Efficacy and safety across the final dose ranges in patients with T2DM receiving insulin glargine/lixisenatide fixed-ratio combination in the LixiLan-L trial (NCT02058160).

*Robert Ritzel, M.D.,<sup>1</sup> Josep Vidal, M.D., Ph.D.,<sup>2</sup> Vanita Aroda, M.D., Ph.D.,<sup>3</sup> Yujun Wu, Ph.D.,<sup>4</sup> Elisabeth Souhami, M.D.,<sup>5</sup> Elisabeth Niemoeller, M.D.,<sup>6</sup> Robert R. Henry, M.D.,<sup>7</sup>* (1)Klinikum Schwabing, Städtisches Klinikum München GmbH, Munich, Germany; (2)Department of Endocrinology and Nutrition, Hospital Clinic of Barcelona, Spain; (3)MedStar Health Research Institute, Hyattsville, MD; (4)Biostatistics and Programming, Sanofi-Aventis US, Bridgewater, NJ; (5)Sanofi, Paris, France; (6)Sanofi, Frankfurt, Germany; (7)UC San Diego and Section of Diabetes, Endocrinology, and Metabolism, Veterans Affairs San Diego Healthcare System, Center for Metabolic Research, San Diego, CA

113E. Clinical impact of titratable fixed-ratio combination of insulin glargine/lixisenatide vs each component alone in type 2 diabetes inadequately controlled on oral agents: LixiLan-O trial (NCT02058147).

*Julio Rosenstock, M.D.,<sup>1</sup> Ronnie Aronson, M.D.,<sup>2</sup> Markolf Hanefeld, M.D., Ph.D.,<sup>3</sup> Piermarco Piatti, M.D.,<sup>4</sup> Pierre Serusclat, M.D.,<sup>5</sup> Xi Cheng, M.D., MPhil,<sup>6</sup> Tianyue Zhou, Ph.D.,<sup>7</sup> Elisabeth Niemoeller, M.D.,<sup>8</sup> Elisabeth Souhami, M.D.,<sup>9</sup> George Grunberger, M.D.,<sup>10</sup> Melanie Davies, M.D.,<sup>11</sup>* (1)Dallas Diabetes and Endocrine Center, Dallas, TX; (2)LMC Diabetes & Endocrinology, Toronto, ON, Canada; (3)Center for Clinical Studies, GWT-TUD GmbH, Dresden, Germany; (4)Unità Operativa di Medicina Generale a Indirizzo Diabetologico ed Endocrino-Metabolico, Milan, Italy; (5)Groupe Hospitalier Mutualiste Les Portes du Sud, Vénissieux, France; (6)Sanofi R&D, Beijing, China; (7)Sanofi, Bridgewater, NJ; (8)Sanofi, Frankfurt, Germany; (9)Sanofi, Paris, France; (10)Grunberger Diabetes Institute, Bloomfield Hills, MI; (11)University of Leicester, Diabetes Research Centre, UK

## Geriatrics

122. Relationships between antihypertensive medication adherence, age, comorbidities, and blood pressure control in elderly patients with diabetes.

*Marsha Raebel, Pharm.D.,<sup>1</sup> Gregory Nichols, Ph.D.,<sup>2</sup> Wendy Dyer, M.S.,<sup>3</sup> Julie Schmittiel, Ph.D.,<sup>3</sup>* (1)Institute for Health Research, Kaiser Permanente Colorado, Denver, CO; (2)Center for Health Research, Kaiser Permanente Northwest, Portland, OR; (3)Division of Research, Kaiser Permanente Northern California, Oakland, CA

## Hematology/Anticoagulation

135. Accuracy of CoaguChek XS in patients with antiphospholipid syndrome (APLS).

*James Taylor, Pharm.D.,<sup>1</sup> Chris Richter, Pharm.D.,<sup>2</sup> Chris Lindamood, Pharm.D.,<sup>3</sup> Xinyue Liu, Ph.D.,<sup>3</sup> Marc*

Zumberg, M.D.,<sup>4</sup> Bradley Fletcher, M.D., Ph.D.<sup>5</sup>; (1)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (2)UF and Shands Hospital; (3) University of Florida College of Pharmacy; (4)Department of Medicine, University of Florida College of Medicine; (5)Department of Medicine, University of Florida College of Medicine, Gainesville, FL

137. Retrospective evaluation of a reduced dose argatroban infusion protocol.

Mark Friedman, BPharm, Pharm.D.,<sup>1</sup> Christy Collins, Ph.D.,<sup>2</sup> Tamara McMath, MPH, CCRC,<sup>3</sup> Elizabeth Wojakowski, Pharm.D. Candidate<sup>4</sup>; (1)Department of Pharmacy Services, OhioHealth Riverside Methodist Hospital, Columbus, OH; (2)OhioHealth Research& Innovations Institute Riverside Methodist Hospital, OhioHealth Riverside Methodist Hospital, Columbus, OH; (3)Ohio Health Research Institute, OhioHealth Riverside Methodist Hospital, Columbus, OH; (4)Department of Pharmacy Services, OhioHealth Riverside Methodist Hospital, Columbus, Ohio, OH

138. Descriptive analysis of thrombophilia testing in an academic medical center.

Nicholas Cox, Pharm.D.,<sup>1</sup> Stacy Johnson, M.D.,<sup>1</sup> Sara Vazquez, Pharm.D., CACP,<sup>1</sup> Ryan Fleming, Pharm.D.,<sup>1</sup> Daniel Witt, Pharm.D., FCCP, BCPS<sup>2</sup>; (1)University of Utah Health Care, Salt Lake City, UT; (2)Department of Pharmacotherapy, University of Utah College of Pharmacy, Salt Lake City, UT

139. Evaluation of appropriateness of prescribing dabigatran and rivaroxaban in a tertiary care hospital in Singapore.

Fan Siew Wai, BPharm (Hon),<sup>1</sup> Tan Su Ching, BPharm (Hon),<sup>1</sup> William Kristanto, Bachelor of Medicines,<sup>2</sup> Chan Po Fun, Bachelor of Medicines,<sup>3</sup> Yap Eng Soo, Masters of Medicine (Internal Medicine)<sup>4</sup>; (1)Pharmacy Department, National University Hospital, Singapore, Singapore, 119074; (2) Cardiology Department, National University Heart Centre, National University Hospital, Singapore 119074; (3)Cardiology Department, National University Heart Centre, National University Hospital Singapore, Singapore 119074; (4)Haematology-Oncology, National University Cancer Institute, Singapore, National University Hospital Singapore, Singapore 119074

140. Evaluation of a bivalirudin nomogram in adult patients.

Vi Gilmore, Pharm.D.,<sup>1</sup> John Lindsley, Pharm.D.,<sup>2</sup> Jessica Crow, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy, Johns Hopkins Hospital, Baltimore, MD; (2)Department of Pharmacy, Johns Hopkins Hospital, Baltimore, MD

141. Comparison of hospital length of stay in patients treated with direct oral anticoagulants or parenteral agents plus warfarin for venous thromboembolism.

Catherine A. Saint, Pharm.D., Michelle R. Castelli, Pharm.D., Andrew J. Crannage, Pharm.D., BCPS, Zachary A. Stacy, Pharm.D., BCPS, Erin K. Hennessey, Pharm.D., BCPS; St. Louis College of Pharmacy/Mercy Hospital St. Louis, St. Louis, MO

## Infectious Diseases

167. Comparison of the effectiveness and safety of inhaled colistin to intravenous colistin in eradication of respiratory carbapenem-resistant *Acinetobacter baumannii* - a tertiary medical center experience in Taiwan.

Yun-Ting Peng, M.S., Ya-Ting Chuang, M.S.; Department of Pharmacy, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan

174. Identification of known and potentially novel resistance determinants by comprehensive whole genome transcriptome sequencing of a large collection of fluconazole-resistant clinical isolates of *Candida albicans*.

Andrew Nishimoto, Pharm.D.,<sup>1</sup> Michael Dickens, Ph.D.,<sup>2</sup> Qing Zhang, B.S.,<sup>3</sup> David Rogers, Pharm.D., Ph.D.<sup>1</sup>; (1)Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (2)High Performance Research Computing, Texas A&M University, College Station, TX; (3) University of Tennessee College of Pharmacy, Memphis, TN

177. Comparison of outcomes utilizing three different severity scores for *Clostridium difficile* infections.

*Natalie Giron, Pharm.D.*,<sup>1</sup> Christopher Paciullo, Pharm.D., BCCCP, FCCM;<sup>2</sup> Colleen Kraft, M.D.,<sup>3</sup> Kristen O'Brien, Pharm.D.;<sup>4</sup> (1)University of Pittsburgh Medical Center, Pittsburgh, PA; (2)Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA; (3)Emory University School of Medicine, Atlanta, GA; (4)Mercer University College of Pharmacy, Atlanta, GA

180. Morphologic changes enhance discovery of the pharmacological effects of antibiotic treatment on *Clostridium difficile*.

*Bradley Endres, Ph.D.*,<sup>1</sup> Ali Memariani, B.S.,<sup>2</sup> Eugenie Basseres, Ph.D.,<sup>1</sup> M. Jahangir Alam, Ph.D.,<sup>1</sup> Ioannis Kakadiaris, Ph.D.,<sup>2</sup> Kevin Garey, Pharm.D., M.S.<sup>1</sup>; (1)Pharmacy Practice and Translational Research, University of Houston College of Pharmacy, Houston, TX; (2)Department of Computer Science, University of Houston, Houston, TX

182. Challenging the challenge of beta-lactam allergies: Before-after study assessing multidisciplinary interventions to improve allergy documentation and antibiotic selection.

*Steven Krey, Pharm.D.*,<sup>1</sup> Lee Skrupky, Pharm.D., BCPS;<sup>1</sup> Jeff Waise, Pharm.D., MBA;<sup>1</sup> Ashley Purohit, Pharm.D., MBA<sup>2</sup>; (1)Department of Inpatient Pharmacy, Aurora BayCare Medical Center, Green Bay, WI; (2)Department of Inpatient Pharmacy, Aurora Health Care, Milwaukee, WI

184. Vancomycin pre-dialysis serum concentrations - a possible predictor of mortality in gram-positive bacteremic hemodialysis patients?

*Kerry Anne Rambaran, Pharm.D.*,<sup>1</sup> Kristen Fuhrmann, Pharm.D., BCPS-AQ ID, AAHIVP;<sup>2</sup> Charles F. Seifert, Pharm.D., FCCP, BCPS<sup>1</sup>; (1)School of Pharmacy, Texas Tech University Health Sciences Center, Lubbock, TX; (2)Department of Pharmacy, UMC Health System, Lubbock, TX

187. Identification of risk factors associated with urinary tract infections caused by ESBL organisms in a community hospital.

*Tiffany Dickey, Pharm.D.*,<sup>1</sup> Bradley Gann, Pharm.D.,<sup>2</sup> Victoria Seaton, Pharm.D.<sup>1</sup>; (1)College of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR; (2)College of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR

190. Use of fidaxomicin compared to vancomycin or metronidazole for initial treatment of *Clostridium difficile* infection in a community hospital.

*Bobby Jacob, Pharm.D.*,<sup>1</sup> Angela O. Shogbon, Pharm.D., BCPS;<sup>2</sup> Samuel K. Peasah, Ph.D., MBA, RPh,<sup>3</sup> Adam Bressler, M.D.,<sup>4</sup> Michelle Vu, Pharm.D. Candidate 20181; (1)College of Pharmacy, Mercer University, Atlanta, GA; (2)Mercer University College of Pharmacy, Atlanta, GA; (3)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (4)DeKalb Medical Center

193. Impact of a computerized physician order entry set on adherence to *C. difficile* infection treatment guidelines and clinical outcomes.

*Jeffrey Aeschlimann, Pharm.D.*,<sup>1</sup> Emily Polidoro, B.S.,<sup>2</sup> Erik Swanson, B.S.<sup>2</sup>; (1)Department of Pharmacy Practice, UConn School of Pharmacy, Storrs, CT; (2)UConn Health/John Dempsey Hospital, UConn School of Medicine, Farmington, CT

## Other

218. Tranexamic acid use in the total hip and total knee arthroplasty population at an academic medical center: a retrospective review of postoperative outcomes.

*Brianne Kaufman, Pharm.D.*,<sup>1</sup> Julie Murphy, Pharm.D., FASHP, FCCP, BCPS;<sup>2</sup> Natalie Tuttle, Pharm.D., BCPS;<sup>1</sup> Daniel Gehling, M.D.<sup>3</sup>; (1)University of Toledo Medical Center; (2)University of Toledo College of Pharmacy and Pharmaceutical Sciences; (3)Department of Orthopedic Surgery, University of Toledo Medical Center

### **Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery**

254. Intravenous midazolam safety during short, outpatient procedures in individuals taking concurrent enzyme-inhibiting medications.

*Carolyn Brackett, B.S., Pharm.D.,<sup>1</sup> Rohan Modi, M.D.,<sup>2</sup> Alan Chen, M.D.,<sup>2</sup> Loren Brook, M.D., M.S.,<sup>2</sup> Samuel Jersak, M.D., M.S.,<sup>2</sup> Kyle Porter, Ph.D.,<sup>3</sup> Somashekar Krishna, M.D., MPH,<sup>4</sup> Darwin Connell, M.D., M.S.,<sup>4</sup> Marty Meyer, M.D., MPH<sup>4</sup>;* (1)College of Pharmacy, Ohio State University, Columbus, OH; (2) Department of Internal Medicine, Ohio State University Wexner Medical Center, Columbus, OH; (3) Center for Biostatistics, Ohio State University, Columbus, OH; (4)Department of Gastroenterology, Hepatology and Nutrition, Ohio State University Wexner Medical Center, Columbus, OH

### **Pulmonary**

267. Adherence to GOLD guidelines in the inpatient COPD population.

*Melissa Lipari, Pharm.D., BCACP;<sup>1</sup> Amber Lanae Smith, Pharm.D., BCPS,<sup>2</sup> Pramodini Kale-Pradhan, Pharm.D., FCCP,<sup>3</sup> Sheila Wilhelm, Pharm.D., FCCP, BCPS<sup>4</sup>;* (1)Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and Henry Ford Hospital, Detroit, MI; (3)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (4)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and Harper University Hospital, Detroit, MI

### **Rheumatology**

273. Cytokine markers of disease activity and drug response in juvenile idiopathic arthritis.

*Ryan Funk, Pharm.D., Ph.D.,<sup>1</sup> Marcia Chan, Ph.D.,<sup>2</sup> Mara Becker, M.D., MSCE<sup>3</sup>;* (1)Department of Pharmacy Practice, University of Kansas, Kansas City, KS; (2)Division of Allergy, Asthma & Immunology, Children's Mercy Kansas City, Kansas City, MO; (3)Department of Pediatrics, Division of Rheumatology, Children's Mercy Kansas City, Kansas City, MO

### **CASE REPORTS**

These papers update and expand therapeutic insights and possibilities, or generate research hypotheses. Although narrative in nature, these abstracts stress the "evidence" for the authors' conclusions by describing the process followed to understand the findings and possible mechanisms involved in the patient's case, how the patient was evaluated and treated, and a specific description of the outcome.

### **Neurology**

478. Copper deficiency related neuropathy in a gastric bypass patient: a case report.

*Emily Murray, Pharm.D. Candidate, Jody Rocker, Pharm.D., BCPS, Susan C. Fagan, Pharm.D., BCPS, FCCP;* University of Georgia College of Pharmacy

### **Nutrition**

479. Avoiding patient harm with parenteral nutrition during electrolyte shortages: a case study.

*Eric Brown, Pharm.D.,<sup>1</sup> Nicole McClellan, Pharm.D.,<sup>2</sup> Gayle Minard, M.D.,<sup>3</sup> George Maish III, M.D.,<sup>3</sup> Roland Dickerson, Pharm.D.<sup>4</sup>;* (1)University of Tennessee Health Science Center; (2)Regional One Health; (3)Department of Surgery, University of Tennessee Health Science Center, Memphis, TN; (4) Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN



## Other

480. Expanding practice: a case report of a pharmacist and social worker–led palliative consult at end of life.

*Renee Holder, Pharm.D., Regina Tosca, MSW, Hunter Groninger, M.D.;* Section of Palliative Care, MedStar Washington Hospital Center, Washington, DC

## Psychiatry

482E. Depakote as an alternative treatment for benzodiazepine withdrawal and anxiety in an elderly patient with a history of chronic benzodiazepine use.

*Hina Patel, Pharm.D., MBA,<sup>1</sup> Stephanie Parker, Pharm.D.,<sup>2</sup> Jennifer R. Bean, Pharm.D., BCPP, BCPS<sup>2</sup>;* (1) Department of Pharmacy, University of Tennessee College of Pharmacy; (2) Veterans Affairs Tennessee Valley Healthcare System, Murfreesboro, TN

## Substance Abuse/Toxicology

483. An anticlimactic phosphodiesterase inhibitor ingestion.

*Christian Lintner, BSPharm,<sup>1</sup> Jill Topeff, Pharm.D.,<sup>1</sup> Alisha Floan, Pharm.D.,<sup>1</sup> Shin Kwon, Pharm.D.,<sup>2</sup> Abby Montague, M.D.,<sup>1</sup> Jon Cole, M.D.<sup>1</sup>;* (1)Minnesota Regional Poison Center; (2)Hennepin County Medical Center

## CLINICAL PHARMACY FORUM

These papers describe the development, delivery, justification, or documentation of new or innovative clinical pharmacy services; they may be descriptive and need not contain an evaluative component.

## Adult Medicine

306. Implementation of a transition of care program in a multi-hospital health system.

*Sandy Moreau, Pharm.D., BCPS,<sup>1</sup> Karan Raja, Pharm.D.,<sup>2</sup> Jennifer Sternbach, Pharm.D., BCPS, BCACP,<sup>3</sup> Jennifer Costello, Pharm.D., BCPS, BC-ADM,<sup>4</sup> Jessica Nodzon, Pharm.D., BCPS,<sup>5</sup> Sheetal Patel, Pharm.D., BCPS,<sup>6</sup> Hoytin Lee Ghin, Pharm.D., BCPS,<sup>7</sup> Ellen Secaras, RPh,<sup>8</sup> Indu Lew, Pharm.D.,<sup>9</sup> Todd Butala, Pharm.D.<sup>10</sup>;* (1)Department of Pharmacy Practice and Administration, Ernest Mario School of Pharmacy, Rutgers, State University of New Jersey, Piscataway, NJ; (2)Department of Pharmacy, Clara Maas Medical Center, NJ; (3)Department of Pharmacy, Clara Maass Medical Center, NJ; (4)Department of Pharmacy, Saint Barnabas Medical Center, NJ; (5)Department of Pharmacy, Community Medical Center, Toms River, NJ; (6)Department of Pharmacy, Newark Beth Israel Medical Center, NJ; (7)Department of Pharmacy, Monmouth Medical Center, NJ; (8)RWJBarnabas Health, Oceanport, NJ; (9)RWJBarnabas Health, Oceanport, NJ; (10)Monmouth Medical Center Southern Campus, NJ

## Critical Care

319. Critical Care PRN membership needs assessment/benefits survey.

*Jenna L. Foster, Pharm.D., BCPS, BCCCP;<sup>1</sup> Pamela L. Smithburger, Pharm.D., M.S., BCPS,<sup>2</sup> Scott Bolesta, Pharm.D., BCPS, FCCM,<sup>3</sup> Kamila A. Dell, Pharm.D., BCPS,<sup>4</sup> Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP,<sup>5</sup> Christen Freeman, Pharm.D., MBA<sup>6</sup>;* (1)Department of Pharmaceutical Services and Clinical Nutrition, Palmetto Health Richland, Columbia, SC; (2)Pharmacy and Therapeutics, University of Pittsburgh School of Pharmacy, Pittsburgh, PA; (3)Department of Pharmacy Practice, Wilkes University, Wilkes-Barre, PA; (4)Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL; (5)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (6)Pharmacy Department, DCH Regional Medical Center, Tuscaloosa, AL

320. Impact of tele-ICU pharmacy services across a healthcare system.

*Desiree Kosmisky, Pharm.D., Sonia Everhart, Pharm.D., BCPS, BCCCP, Nehal Thakkar, M.D., Michael Reif, M.D., Kimberly Purtill, RN, M.S., CCRN-E; Virtual Critical Care, Carolinas HealthCare System, Mint Hill, NC*

321. Safe use of inhaled epoprostenol for inter-hospital transport of patients with severe acute respiratory distress syndrome.

*Christopher Paciullo, Pharm.D., BCCCP, FCCM,<sup>1</sup> Tish Kuban, RPh, MBA,<sup>2</sup> Bruce Bray, RRT, RCP,<sup>3</sup> James Blum, M.D., FCCM<sup>4</sup>; (1)Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA; (2)Department of Pharmaceutical Services, Emory University Hospital; (3)Department of Respiratory Care, Emory University Hospital; (4)Department of Anesthesiology, Emory University School of Medicine, Atlanta, GA*

322. Pharmacists as essential members of the intensive care unit team: development of 24/7 critical care clinical pharmacy services.

*Julia Balazh, Pharm.D., Nicole Maltese Dietrich, Pharm.D., Evan Telford, Pharm.D., Andrew Hendrickson, Pharm.D., Don Reeder, Pharm.D., Andrew Franck, Pharm.D.; North Florida/South Georgia Veterans Health System, Gainesville, FL*

## SYSTEMATIC REVIEWS/META-ANALYSIS

These papers describe systematic reviews adhering to the guidelines and definitions established by Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA).

### Infectious Diseases

490. Acute kidney injury with concomitant piperacillin/tazobactam and vancomycin: systematic review.

*Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP,<sup>1</sup> Melanie Smith, Pharm.D.,<sup>2</sup> Sarah Hayes, Pharm.D.,<sup>3</sup> Chenghui Li, Ph.D.,<sup>4</sup> Katherine Lusardi, Pharm.D.,<sup>5</sup> P. Brandon Bookstaver, Pharm.D., FCCP, BCPS, AAHIVP<sup>6</sup>; (1)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (2)Department of Pharmacy, Medical University of South Carolina; (3)Fairview Health Services and University of Minnesota Medical Center; (4)Department of Pharmacy Practice, Pharmaceutical Evaluation and Policy Division, University of Arkansas for Medical Sciences College of Pharmacy; (5)University of Arkansas for Medical Sciences; (6)Department of Clinical Pharmacy & Outcomes Sciences, University of South Carolina College of Pharmacy, Columbia, SC*

### Neurology

495E. Systematic literature review of droxidopa in clinical trials for neurogenic orthostatic hypotension (nOH) in parkinsonism.

*Jack J. Chen, Pharm.D.,<sup>1</sup> Khashayar Dashtipour, M.D., Ph.D.,<sup>2</sup> Stephanie Tashiro, MPH,<sup>2</sup> Ivan Portillo, MLIS<sup>3</sup>; (1)College of Pharmacy, Marshall B. Ketchum University, Fullerton, CA; (2)Department of Neurology, Loma Linda University, Loma Linda, CA; (3)Marshall B. Ketchum University, Fullerton, CA*

496E. Systematic literature review of quetiapine for hallucinosis/psychosis in Parkinson's disease (PD).

*Jack J. Chen, Pharm.D.,<sup>1</sup> Khashayar Dashtipour, M.D., Ph.D.,<sup>2</sup> Lilian Massihi, M.D.,<sup>2</sup> Stephanie Tashiro, MPH,<sup>2</sup> Ivan Portillo, MLIS<sup>3</sup>; (1)College of Pharmacy, Marshall B. Ketchum University, Fullerton, CA; (2) Department of Neurology, Loma Linda University, Loma Linda, CA; (3)Marshall B. Ketchum University, Fullerton, CA*

497E. The role of microdose lithium in patients with Alzheimer's disease - a systematic review.

*Jose Valdes, Pharm.D.,<sup>1</sup> Jessica Greenwood, B.A.,<sup>2</sup> Erika Canizares, RN,<sup>3</sup> Huy Pham, B.S.,<sup>3</sup> Melissa Espinosa, B.S.<sup>3</sup>; (1)Department of Pharmacy Practice, Nova Southeastern University College of*

Pharmacy, Palm Beach Gardens, FL; (2)Nova Southeastern University College of Pharmacy, Doral, FL; (3)Nova Southeastern University College of Pharmacy

### Substance Abuse/Toxicology

501. Effectiveness of pharmacy-based needle/syringe exchange program in injecting drug users: a systematic review and meta-analysis.

*Tahir Khan, Ph.D.*,<sup>1</sup> Ratree Sawangjit, Ph.D.,<sup>2</sup> Nathorn Chaiyakunapruk, Ph.D.<sup>3</sup>; (1)School of Pharmacy, Monash University Malaysia, Selangor, Malaysia; (2)School of Pharmacy, Monash University Malaysia, Malaysia; (3)School of Pharmacy, Monash University Malaysia

502. Patient outcomes for phenobarbital use with or without benzodiazepines in alcohol withdrawal syndrome: systematic review.

*Jordan Rowe, Pharm.D.*,<sup>1</sup> Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP,<sup>2</sup> Tessa Wiley, Pharm.D.,<sup>3</sup> Kristen Lee, Pharm.D.,<sup>4</sup> Sandra Kane-Gill, Pharm.D., M.Sc., FCCM, FCCP<sup>5</sup>; (1)University of Tennessee Medical Center - Knoxville; (2)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (3)Nebraska Medicine; (4)Orlando Regional Medical Center; (5)Department of Pharmacy and Therapeutics, University of Pittsburgh School of Pharmacy, Pittsburgh, PA

### RESIDENTS AND FELLOWS RESEARCH IN PROGRESS

These papers describe in-progress hypothesis-driven research in basic, clinical, translational, dissemination/implementation, or educational research.

### ADR/Drug Interactions

345. The reduction of racial/ethnic and other patient characteristic disparities associated with adverse drug events.

*Brittany Duke, Pharm.D.*,<sup>1</sup> Elizabeth Squire, M.A.<sup>2</sup>; (1)Division of Health Care Quality, Office of Disease Prevention and Health Promotion, US Department of Health and Human Services, Rockville, MD; (2) Office of Disease Prevention and Health Promotion, US Department of Health and Human Services

346. A prospective evaluation of statin usage on HbA1c control in type 2 diabetes mellitus in an outpatient setting.

*Mohamed A. Hammad, MPharm, BCPS, Ph.D. Candidate*,<sup>1</sup> Dzul Azri Mohamed Noor, MPharm., Ph.D.,<sup>1</sup> Syed Azhar Syed Sulaiman, Pharm.D.,<sup>1</sup> Nor Azizah Aziz, M.D., Dip. Int. Med, MRCP<sup>2</sup> Tarek M. Elsayed, MPharm., Ph.D. Candidate<sup>3</sup>; (1)Clinical Pharmacy Department, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia; (2)Endocrinology Clinics, Penang General Hospital, Penang, Malaysia; (3)Pharmacy Practice Department, Kulliyyah of Pharmacy, International Islamic University Malaysia, Kuantan, Malaysia

347. Prevalence of selective serotonin reuptake inhibitors (SSRIs) drug-drug interactions in U.S. outpatient settings.

*Haifa Fadil, M.S.*,<sup>1</sup> Leanne Lai, Professor<sup>2</sup>; (1)Department of Sociobehavioral and Administrative Pharmacy NOVA Southeastern University, Fort Lauderdale, FL, NOVA Southeastern University, Davie, FL; (2)Department of Sociobehavioral and Administrative Pharmacy Nova Southeastern University College of Pharmacy, Department of Sociobehavioral and Administrative Pharmacy Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL

### Adult Medicine

348. Comparison of melatonin and zolpidem for sleep in a community hospital: an analysis of patient perception and inpatient outcomes.

Robyn Stoianovici, Pharm.D., Luigi Brunetti, Pharm.D., MPH, *Christopher Adams, Pharm.D.*; Department of Pharmacy, Robert Wood Johnson University Hospital Somerset, Somerville, NJ

349. Evaluation of time to first therapeutic aPTT in non-obese versus obese patients during the treatment of venous thromboembolism with unfractionated heparin.

*Katherine L. March, Pharm.D.,<sup>1</sup> Carrie S. Oliphant, Pharm.D., FCCP, BCPS-AQ Cardiology,<sup>2</sup> Brennan J. Herrmann, M.S.<sup>3</sup>; (1)Department of Clinical Pharmacy, Methodist University Hospital, Memphis, TN; (2)Department of Pharmacy, Methodist University Hospital, Memphis, TN; (3)Methodist University Hospital*

350. Evaluation of prophylactic antibiotic regimens on recurrence and mortality in spontaneous bacterial peritonitis.

*Shelley Glaess, Pharm.D.,<sup>1</sup> Rebecca L. Attridge, Pharm.D., M.Sc., BCPS,<sup>2</sup> Rebecca L. Brady, Pharm.D.,<sup>1</sup> Russell T. Attridge, Pharm.D., M.Sc., BCPS<sup>3</sup>; (1)University of the Incarnate Word Feik School of Pharmacy, San Antonio, TX; (2)University of Texas Health Science Center at San Antonio, San Antonio, TX; (3)South Texas Veterans Health Care System, Audie L. Murphy Division, San Antonio, TX*

### **Ambulatory Care**

351. Assessing the ability of warfarin-treated patients to predict their INR.

*Kathleen McNamara, Pharm.D.,<sup>1</sup> James D. Hoehns, Pharm.D., BCPS, FCCP,<sup>2</sup> Matthew J. Witry, Pharm.D.<sup>3</sup>; (1)Northeast Iowa Family Practice, IA; (2)University of Iowa College of Pharmacy and Northeast Iowa Family Practice Center, Waterloo, IA; (3)University of Iowa College of Pharmacy, Iowa City, IA*

352. Limiting warfarin tablet strengths at a VA medical center.

*Ashley Thomas, Pharm.D.; VA, Tennessee Valley Healthcare Systems VA, Nashville, TN*

353. Evaluation of outcomes by clinical pharmacy specialists compared to a nephrology specialty service in patients with difficult to manage hypertension.

*Catlin Grisham-Takac, Pharm.D.,<sup>1</sup> Crystal Brown, Pharm.D., BCPS, Adebola Adesoye, Pharm.D., BCPS,<sup>3</sup> Rick Weideman, Pharm.D., BCPS<sup>4</sup>; (1)VA North Texas Healthcare System, Dallas, TX; (2)Department of Pharmacy Practice, Texas Tech University Health Science Center- School of Pharmacy, Dallas, TX; (3) VA North Texas Health Care System, Dallas, TX*

354. Lost in transition.

*Danielle Longo, Pharm.D., Elizabeth Phillips, BSPHarm, Pharm.D., CACP, BCACP; University Health Care Center, Upstate University Hospital, Syracuse, NY*

355. Assessing the state of comprehensive medication management practice within primary care clinics.

*Deborah L. Pestka, Pharm.D.,<sup>1</sup> Lindsay Sorge, Pharm.D., MPH, BCACP,<sup>2</sup> Caitlin K. Frail, Pharm.D., M.S., BCACP,<sup>2</sup> Kylee Funk, Pharm.D., BCPS,<sup>2</sup> Mary T. Roth, Pharm.D., MHS,<sup>3</sup> Ronald Hadsall, Ph.D., M.S.,<sup>2</sup> Todd D. Sorensen, Pharm.D.<sup>2</sup>; (1)Social and Administrative Pharmacy, University of Minnesota College of Pharmacy, Minneapolis, MN; (2)Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (3)UNC Eshelman School of Pharmacy, Chapel Hill, NC*

### **Cardiovascular**

356. Early steroid administration and clinical outcomes in acute decompensated heart failure.

*Leo Buckley, Pharm.D.,<sup>1</sup> Prami Nadpara, Ph.D.,<sup>2</sup> Perry Taylor, Pharm.D.,<sup>3</sup> Benjamin Van Tassel, Pharm.D.<sup>1</sup>; (1)Virginia Commonwealth University; (2)Virginia Commonwealth University School of Pharmacy, Richmond, VA; (3)Department of Pharmacy, Virginia Commonwealth University Health System, Richmond, VA*

357. Rationale and design of the End-Stage Renal Disease and Heart Failure: Anakinra Response Trial (E-HART).

*Leo Buckley, Pharm.D.<sup>1</sup> Dayanjan Wijesinghe, Ph.D.,<sup>1</sup> Jason Kidd, M.D.,<sup>1</sup> Justin Canada, M.S.,<sup>1</sup> Salvatore*

Carbone, M.S.,<sup>1</sup> Sophanit Dessie, M.D., Yahya Fatani, M.D.,<sup>1</sup> Dinesh Kadariya, M.D.,<sup>1</sup> Cory Trankle, M.D.,<sup>1</sup> Antonio Abbate, M.D., Ph.D.,<sup>1</sup> Benjamin Van Tassell, Pharm.D.<sup>1</sup>; (1)Virginia Commonwealth University

358. Evaluating the difference in time to unintended healthcare encounter in patients with atrial fibrillation and heart failure treated with sotalol compared to amiodarone.

*Nirali Naik, Pharm.D.*; UF Health Jacksonville

359. Appropriateness of IV to PO conversions in heart failure diuretic therapy and impact on readmission rates.

*Jennifer Hoh, Pharm.D., B.S. Chemistry*, Kody Merwine, Pharm.D., B.S. Chemistry, B.S. Biology, Joanne Heil, Pharm.D., BCPS-AQ Cardiology; Department of Pharmacy, Thomas Jefferson University Hospital, Philadelphia, PA

360. Clinical factors predicting bleeding and effectiveness associated with direct-acting oral anti-coagulants for the treatment of deep-vein thrombosis and pulmonary embolism.

*Carlo Iasella, Pharm.D.*, James Coons, Pharm.D.; University of Pittsburgh, Pittsburgh, PA

361. Use of medications that potentially interfere with blood pressure control among patients with resistant hypertension on  $\geq 4$  antihypertensive drugs.

*Andrew Hwang, Pharm.D.*,<sup>1</sup> Chintin Dave, Pharm.D.,<sup>2</sup> Steven M. Smith, Pharm.D., MPH, BCPS<sup>3</sup>; (1) Departments of Pharmacotherapy & Translational Research and Community Health & Family Medicine, University of Florida Colleges of Pharmacy and Medicine; (2)Department of Pharmaceutical Outcomes & Policy, University of Florida College of Pharmacy; (3)Departments of Pharmacotherapy & Translational Research and Community Health & Family Medicine, University of Florida Colleges of Pharmacy and Medicine, Gainesville, FL

362. Impact of pharmacist transitional care management telephone calls on hospital readmission rates within a cardiology service.

*Stephanie Yager, Pharm.D.*, Lindsay Arnold, Pharm.D., Victoria Liu, Pharm.D.; Department of Pharmacy, Boston Medical Center, Boston, MA

## Critical Care

363. Comparison of 3-factor versus 4-factor prothrombin complex concentrate with regard to blood product use during hospitalization.

*Jessica DeAngelo, Pharm.D., MBA*,<sup>1</sup> Daniel Jarrell, Pharm.D.,<sup>1</sup> Richard Cosgrove, Pharm.D.,<sup>1</sup> James Camamo, Pharm.D.,<sup>1</sup> Christopher Edwards, Pharm.D.,<sup>2</sup> Asad E. Patanwala, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy, Banner University Medical Center Tucson, AZ; (2)Pharmacy Practice and Science, University of Arizona College of Pharmacy, Tucson, AZ

364. Prediction of invasive candidiasis in a veteran population (PIVET): validation of the Candida score.

*Tommie Guidry, Pharm.D.*, Whitney Elliott, Pharm.D., BCPS, Amanda Gillion, Pharm.D., BCPS, Steven Woods, M.D., Muthiah Muthiah, M.D.; VAMC, Memphis, TN

## Education/Training

365. Physician knowledge, comfort level, and self-efficacy on the appropriate use of new oral anticoagulants: a targeted needs assessment.

*Rachel Renwick, Pharm.D.*,<sup>1</sup> Andrea S. Franks, Pharm.D., BCPS<sup>2</sup>; (1)University of Tennessee Medical Center, Knoxville, TN; (2)Department of Clinical Pharmacy, University of Tennessee Health Science Center, College of Pharmacy, Knoxville, TN

366. Assessing the use of entrustable professional activities during early practice experiences in a doctor of pharmacy program.

*Laura A. Rhodes, Pharm.D.,<sup>1</sup> Macary Weck Marciniak, Pharm.D., BCACP, BCPS, FAPhA,<sup>1</sup> Jacqueline McLaughlin, Ph.D.,<sup>2</sup> Kim I. Leadon, Med,<sup>1</sup> Joy Tucker, MSW,<sup>1</sup> Nicole R. Pinelli, Pharm.D., M.S.<sup>1</sup>; (1) UNC Eshelman School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC; (2) UNC Eshelman School of Pharmacy, University of North Carolina at Chapel Hill Eshelman School of Pharmacy, Chapel Hill, NC*

367. Identifying student learning competencies for urban underserved practice using a Delphi process.

*Chris Johnson, Pharm.D., B.S., Andrew Traynor, Pharm.D., BCPS; Department of Pharmacy Practice, Concordia University Wisconsin School of Pharmacy, Mequon, WI*

368. Evaluating the impact of APPE rotations on pharmacy student attitudes and perceptions toward interprofessional practice.

*Cora Housley, Pharm.D.,<sup>1</sup> Rebecca Shilling, Pharm.D. Candidate 2017,<sup>2</sup> Seth Heldenbrand, Pharm.D.,<sup>2</sup> Nalin Payakachat, Ph.D.,<sup>3</sup> Ashley Castleberry, Pharm.D., MAEd,<sup>2</sup> Schwanda Flowers, Pharm.D.,<sup>3</sup> Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP<sup>2</sup>; (1)University of Missouri Health Care; (2)University of Arkansas for Medical Sciences; (3)College of Pharmacy, University of Arkansas for Medical Sciences, Little Rock, AR*

## Endocrinology

369. Evaluation of the risks and benefits of combination incretin therapy (GLP-1 agonists with DPP-4 inhibitors) in patients with type 2 diabetes.

*Estela Lajthia, Pharm.D.,<sup>1</sup> John Bucheit, Pharm.D.,<sup>1</sup> Evan Sisson, Pharm.D., MSHA,<sup>2</sup> Pramit Nadpara, Ph.D.,<sup>3</sup> Lauren Caldas, Pharm.D.,<sup>1</sup> Michael Murchie, M.D.<sup>4</sup>; (1)Department of Pharmacotherapy & Outcomes Science, VCU School of pharmacy, Richmond, VA; (2)Department of Pharmacotherapy and Outcomes Science, Virginia Commonwealth University School of Pharmacy, Richmond, VA; (3)Virginia Commonwealth University School of Pharmacy, Richmond, VA; (4)Crossover Healthcare Ministry Free Clinic, Richmond, VA*

## Geriatrics

370. Reduction of medication regimen complexity in geriatric patients: the effect on quality of life and functional capacity.

*Emily Brysch, Pharm.D.,<sup>1</sup> Kimberly Cauthon, Pharm.D., CGP, BC-ADM,<sup>2</sup> G. Blair Sarbacker, Pharm.D., BCACP;<sup>1</sup> Bethany Kalich, Pharm.D., BCPS-AQ Cardiology<sup>3</sup>; (1)University of the Incarnate Word Feik School of Pharmacy, San Antonio, TX; (2)South Texas Veterans Health Care System, San Antonio, TX; (3)University of Texas Health Science Center at San Antonio, San Antonio, TX*

## Hematology/Anticoagulation

371. Initiation of target-specific ORAL anticoagulants for atrial fibrillation and venous thromboembolism: IMPACT on time to hospital discharge.

*Kim Vo, Pharm.D.,<sup>1</sup> Nathan Fewel, Pharm.D., BCPS,<sup>2</sup> Amanda Basto, Pharm.D., BCPS,<sup>2</sup> Mia Ta, Pharm.D., BCPS,<sup>2</sup> Eileen Stock, Ph.D.<sup>3</sup>; (1)Department of Pharmacy, CTVHCS, Temple, TX; (2)Pharmacy, CTVHCS, Temple, TX; (3)CTVHCS*

372. Evaluation of chromogenic factor X levels in the transition from argatroban to warfarin.

*Monique Conway, Pharm.D.,<sup>1</sup> Kristen T. Pogue, Pharm.D., BCPS-AQ CV,<sup>2</sup> Sarah Hanigan, Pharm.D., BCPS,<sup>2</sup> Bonnie Kaminsky, Pharm.D., BCPS,<sup>2</sup> Michael P. Dorsch, Pharm.D., M.S., BCPS-AQ CV<sup>2</sup>; (1) Department of Pharmacy, University of Michigan Health System, Ann Arbor, MI; (2)University of Michigan Hospitals and Health Centers, Ann Arbor, MI*

373. Prothrombin complex concentrate use for urgent warfarin reversal compared to historical control.

*Hua Chen, Pharm.D.*,<sup>1</sup> James Coons, Pharm.D.<sup>2</sup>; (1)University of Pittsburgh Medical Center, Pittsburgh, PA; (2)University of Pittsburgh, Pittsburgh, PA

## HIV/AIDS

374. Probiotics for increasing CD4 counts in HIV patients: a systematic review and meta-analysis.

Mohamed Jalloh, Pharm.D.,<sup>1</sup> Philip Gregory, Pharm.D.,<sup>2</sup> Darren Hein, Pharm.D.,<sup>3</sup> Aleah Rodriguez, Pharm.D.,<sup>1</sup> *Lindsay Slowiczek, Pharm.D.*,<sup>1</sup> Zara Risoldi Cochrane, Pharm.D.<sup>2</sup>; (1)Center for Drug Information and Evidence-Based Practice, Creighton University, Omaha, NE; (2)Center for Drug Information & Evidence-Based Practice, Creighton University, Omaha, NE; (3)School of Pharmacy and Health Professions, Creighton University, Omaha, NE

## Infectious Diseases

375. Infection-related readmission following traumatic splenic injury.

*Samie Sabet, Pharm.D.*,<sup>1</sup> Shawna King, Pharm.D.,<sup>2</sup> Shelby Anderson, Pharm.D. Candidate<sup>3</sup>; (1) Pharmacy Practice, Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX; (2) Pharmacy, Northwest Texas Healthcare System, Amarillo, TX; (3)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX

376. Incidence of acute kidney injury in patients receiving intravenous vancomycin in combination with piperacillin-tazobactam or cefepime.

*Paul Boylan, Pharm.D.*, Rebecca Cofsky, Pharm.D.; Pharmacy Department, Reading Hospital, West Reading, PA

377. Evaluation of antibiotic utilization in an emergency department pre and post implementation of a formal pharmacist-driven culture review.

*Megan Geurds, Pharm.D.*,<sup>1</sup> Chris Tawwater, Pharm.D.,<sup>1</sup> Jennifer L. Grelle, Pharm.D.<sup>2</sup>; (1)School of Pharmacy, Texas Tech University Health Science Center, Abilene, TX; (2)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX

378. *Clostridium difficile* infection incidence, recurrence, and health outcomes in the national veterans health administration from 2003 to 2014.

*Jacqueline Argamany, Pharm.D.*,<sup>1</sup> Kelly Reveles, Pharm.D., Ph.D.<sup>2</sup>; (1)College of Pharmacy, University of Texas at Austin, San Antonio, TX; (2)University of Texas at Austin College of Pharmacy and University of Texas Health Science Center School of Medicine, San Antonio, TX

379. Concomitant gastric acid suppressant use and *Clostridium difficile* infection outcomes in a national cohort of veterans, 2003 to 2014.

Jacqueline Argamany, Pharm.D.,<sup>1</sup> Kelly Reveles, Pharm.D., Ph.D.<sup>2</sup>; (1)College of Pharmacy, University of Texas at Austin, San Antonio, TX; (2)University of Texas at Austin College of Pharmacy and University of Texas Health Science Center School of Medicine, San Antonio, TX

380. Derivation and validation of a clinical prediction rule for recurrent *Clostridium difficile* infection in a national cohort of veterans.

*Jacqueline Argamany, Pharm.D.*,<sup>1</sup> Kelly Reveles, Pharm.D., Ph.D.<sup>2</sup>; (1)College of Pharmacy, University of Texas at Austin, San Antonio, TX; (2)University of Texas at Austin College of Pharmacy and University of Texas Health Science Center School of Medicine, San Antonio, TX

381. HIV-HCV co-infection: pharmacy interventions and outcomes at an urban academic medical center.

*Sarah Michienzi, Pharm.D.*, Renata Smith, Pharm.D., Rodrigo Burgos, Pharm.D.; Department of Pharmacy Practice Section of Infectious Disease Pharmacotherapy, University of Illinois at Chicago College of Pharmacy, Chicago, IL

## Medication Safety

382. Utilization and complication of total parenteral nutrition in adult patients: subsequent educational protocol and policy development.

*Emily Bailey, Pharm.D., Mimi Liu, Pharm.D., MBA/HSA, Robert Howitt, Pharm.D., BCPS, Janie Faris, Pharm.D., BCPS, BCCCP; Pharmacy, Carilion Roanoke Memorial Hospital, Roanoke, VA*

383. Hendrich II fall risk model: why are patients still falling?

*Hao Nguyen, Pharm.D.,<sup>1</sup> Victoria L. Do, Pharm.D.,<sup>1</sup> Robert Ready, RN, MN,<sup>2</sup> Gary Blanchard, M.D.,<sup>2</sup> Abir O. Kanaan, Pharm.D.,<sup>3</sup>; (1)Saint Vincent Hospital/MCPHS University, Worcester, MA; (2)Saint Vincent Hospital, Worcester, MA; (3)MCPHS University, Worcester, MA*

384. Development and validation of a pharmacy-driven multifactorial fall risk trigger tool.

*Victoria L. Do, Pharm.D.,<sup>1</sup> Joseph J. Sawicki Jr, Pharm.D.,<sup>2</sup> Uyen P. Nguyen, Pharm.D.,<sup>2</sup> Jennifer Y. Lee, Pharm.D., BCPS,<sup>2</sup> Robert Ready, RN, MN,<sup>2</sup> Matthew A. Silva, Pharm.D., BCPS,<sup>3</sup> Abir O. Kanaan, Pharm.D.,<sup>3</sup>; (1)Saint Vincent Hospital/MCPHS University, Worcester, MA; (2)Saint Vincent Hospital, Worcester, MA; (3)MCPHS University, Worcester, MA*

## Pediatrics

385. Incidence of bronchopulmonary dysplasia following caffeine prophylaxis in extremely premature neonates.

*Todd Hershberger, Pharm.D. Candidate 2017, Varsha Bhatt-Mehta, M.S. (CRDSA), Pharm.D., FCCP; College of Pharmacy, University of Michigan, Ann Arbor, MI*

386. Evaluation of sildenafil treatment guidelines in neonates with pulmonary artery hypertension associated with bronchopulmonary dysplasia.

*Parin Shah, Pharm.D. Candidate,<sup>1</sup> Varsha Bhatt-Mehta, M.S. (CRDSA), Pharm.D., FCCP;<sup>2</sup> (1)University of Michigan College of Pharmacy, Ann Arbor, MI; (2)College of Pharmacy, University of Michigan, Ann Arbor, MI*

## Pharmacoepidemiology

387. Prescribing patterns of thiazide diuretics.

*Genevieve Hale, Pharm.D., BCPS,<sup>1</sup> Suhaib Muflih, Pharm.D., Ph.D. Candidate,<sup>2</sup> Sarah Alameddine, Pharm.D.,<sup>1</sup> Nile M. Khanfar, Ph.D., MBA;<sup>1</sup> (1)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL; (2)Sociobehavioral and Administrative Pharmacy/ College of Pharmacy, Nova Southeastern University, Plantation, FL*

## Pharmacogenomics/Pharmacogenetics

388. Measuring knowledge and attitudes regarding the use of pharmacogenetic testing among patients and prescribers: diffusion of innovation theory.

*Suhaib Muflih, Pharm.D., Ph.D. Candidate,<sup>1</sup> Barry A. Bleidt, Ph.D., Pharm.D.,<sup>2</sup> Nile Khanfar, Ph.D., MBA,<sup>3</sup> Ioana Popovici, Ph.D.,<sup>4</sup>; (1)Sociobehavioral and Administrative Pharmacy/ College of Pharmacy, Nova Southeastern University, Plantation, FL; (2)Sociobehavioral and Administrative Pharmacy Department, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL; (3)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL; (4)Sociobehavioral and Administrative Pharmacy, Nova Southeastern University, FL*

389. Feasibility of implementing a personalized approach to chronic pain management using cytochrome P450 2D6 genotype in a primary care clinic.

*D. Max Smith III, Pharm.D., Amanda Elsey, MHA, Julie Johnson, Pharm.D., BCPS, FCCP, FAHA, Larisa H. Cavallari, Pharm.D., BCPS, FCCP, Kristin Weitzel, Pharm.D., CDE, FAPhA; Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL*



390. Potential value of preemptive panel-based pharmacogenetic testing in patients undergoing cardiac catheterization.

*Scott Mosley, Pharm.D.,*<sup>1</sup> Dyson Wake, Pharm.D.,<sup>1</sup> Xinyue Liu, Ph.D.,<sup>2</sup> Kristin Weitzel, Pharm.D., CDE, FAPhA,<sup>1</sup> Amanda Elsey, MHA,<sup>1</sup> Almut Winterstein, RPh, Ph.D., FISPE,<sup>2</sup> Julie Johnson, Pharm.D., BCPS, FCCP, FAHA,<sup>1</sup> Larisa H. Cavallari, Pharm.D.<sup>1</sup>; (1)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL; (2)Pharmaceutical Outcomes and Policy, University of Florida College of Pharmacy, Gainesville, FL

### **Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery**

391. Assessment of adhesion response to 3D printed materials for ophthalmic device development.

*Maryam Alband, MPharm,*<sup>1</sup> Richard M H Lee, M.Sc. FRCOphth,<sup>2</sup> Matthew Penny, Ph.D.,<sup>1</sup> Stephen T Hilton, Ph.D.,<sup>1</sup> Steve Brocchini, Ph.D.<sup>1</sup>; (1)UCL School of Pharmacy; (2)UCL Institute of Ophthalmology

392. Impact of once-weekly rifapentine and isoniazid on the steady-state pharmacokinetics of dolutegravir in healthy volunteers.

*Kristina Brooks, Pharm.D.,*<sup>1</sup> Jomy George, Pharm.D.,<sup>1</sup> Alice Pau, Pharm.D.,<sup>2</sup> Anela Kellogg, MSN, RN,<sup>3</sup> Mary McLaughlin, RN, BSN,<sup>4</sup> Maryellen McManus, RN, MPH,<sup>4</sup> Joseph A. Kovacs, M.D.,<sup>5</sup> Parag Kumar, Pharm.D.<sup>1</sup>; (1)Clinical Pharmacokinetics Research Laboratory, Pharmacy Department, NIH Clinical Center, Bethesda, M.D.; (2)Division of Clinical Research, National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, MD; (3)Clinical Monitoring Research Program, Frederick National Laboratory for Cancer Research, Leidos Biomedical Research, Inc., Bethesda, MD; (4)Laboratory of Immunoregulation, NIAID, Bethesda, MD; (5)AIDS Section, Critical Care Medicine Department, NIH Clinical Center, Bethesda, MD

393. Pharmacokinetic and screening studies of the interaction between mononuclear phagocyte system and nanoparticle formulations and colloid forming drugs.

*Andrew Lucas, Pharm.D., M.S.,*<sup>1</sup> Leah Herity, B.S., Zack Kornblum, B.S., Andrew Madden, Pharm.D., Alberto Gabizon, M.D., Ph.D., Alexander Kabanov, Ph.D., DSc, Rose Ajamie, B.S., David Bender, Ph.D., Palaniappan Kulanthaivel, Ph.D., Manuel Sanchez-Felix, Ph.D., Henry Havel, Ph.D., William C. Zamboni, Pharm.D., Ph.D.<sup>3</sup>; (1)Department of Pharmacotherapy and Experimental Therapeutics, University of North Carolina at Chapel Hill Eshelman School of Pharmacy, Chapel Hill, NC; (2)University of North Carolina at Chapel Hill School of Pharmacy Division of Pharmacotherapy and Experimental Therapeutics, Chapel Hill, NC

### **Psychiatry**

394. Risk factors for utilization of acute care services for lithium toxicity.

*Lauren J. Heath, Pharm.D.,*<sup>1</sup> Sarah J. Billups, Pharm.D.,<sup>2</sup> Kerri Gaughan, Pharm.D.,<sup>1</sup> Kristen Gardner, Pharm.D.,<sup>1</sup> Daniel Dugan, Pharm.D.,<sup>1</sup> Sheila R. Botts, Pharm.D.<sup>1</sup>; (1)Department of Pharmacy, Kaiser Permanente Colorado, Aurora, CO; (2)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences

### **Transplant/Immunology**

395. Effect of statins on influenza vaccine antibody concentrations in lung transplant patients.

*Amanda Condon, Pharm.D.,*<sup>1</sup> Christine Garmoe, Pharm.D. Candidate,<sup>2</sup> Mary Hayney, Pharm.D., MPH<sup>2</sup>; (1)Department of Pharmacy, UW Health, Madison, WI; (2)School of Pharmacy, University of Wisconsin-Madison, Madison, WI

396. Efficacy of oral fosfomycin in transplant recipients with renal dysfunction.

*Luiza Kerstenetzky, Pharm.D.,* Margaret Jorgenson, Pharm.D., BCPS, Jillian Fose, Pharm.D., BCPS; University of Wisconsin Hospitals and Clinics (UW Health), Madison, WI

397. ApoL1 and MYH9 genetic polymorphisms among the Hispanic kidney allograft recipients. *Youngil Chang, M.S., Pharm.D.,<sup>1</sup> Tariq Shah, M.D.,<sup>2</sup> David Min, Pharm.D.<sup>3</sup>*; (1)College of Pharmacy, Western University of Health Sciences, Pomona, CA; (2)Multi-Organ Transplant Center, St. Vincent Medical Center, Los Angeles, CA; (3)Western University of Health Sciences, College of Pharmacy and National Institute of Transplantation, Los Angeles, CO

398. Association of genetic polymorphisms in the renin-angiotensin system and post-transplant anemia among Hispanic kidney transplant recipients.

*Youngil Chang, M.S., Pharm.D.,<sup>1</sup> Eunah Cho, Pharm.D.,<sup>1</sup> Tariq Shah, M.D.,<sup>3</sup> Jaewook Yang, Pharm.D., Ph.D., BCPS,<sup>4</sup> David Min, Pharm.D.<sup>5</sup>*; (1)Mendez National Institute of Transplantation Foundation, Mendez National Institute of Transplantation Foundation, Los Angeles, CA; (2)Western University of Health Sciences; (3)Multi-Organ Transplant Center, St. Vincent Medical Center, Los Angeles, CA; (4) School of Pharmacy, Sahmyook University, Seoul, Republic of Korea; (5)Western University of Health Sciences, College of Pharmacy and National Institute of Transplantation, Los Angeles, CO

399. Survival benefit of renal transplantation in octogenarians with ESRD.

*Moses Demehin, Pharm.D.,<sup>1</sup> Bharath Ravichandran, Pharm.D.,<sup>2</sup> Tracy Sparkes, Pharm.D.,<sup>2</sup> Beje Thomas, M.D.,<sup>2</sup> Abdolreza Haririan, M.D.,<sup>2</sup> Brian Masters, Pharm.D.<sup>2</sup>*; (1)University of Pittsburgh Medical Center, Pittsburgh, PA; (2)University of Maryland Medical Center, Baltimore, MD

### Women's Health

400. Neonatal and maternal effects of buprenorphine and methadone in the treatment of opioid-maintained pregnant women.

*Christina Inteso, Pharm.D.,<sup>1</sup> Alicia B. Forinash, Pharm.D., FCCP, BCPS, BCACP,<sup>1</sup> Abigail Yancey, Pharm.D.,<sup>1</sup> Rebecca L. Bragg, Pharm.D., BCPS,<sup>1</sup> Elizabeth Frisse, M.D.,<sup>2</sup> Judy Thompson, RN, CRRC,<sup>2</sup> Collin Miller, MSW,<sup>2</sup> Jaye Shyken, M.D.<sup>2</sup>*; (1)St. Louis College of Pharmacy, St. Louis, MO; (2)St. Louis University/SSM Health St. Mary's, St. Louis, MO

### STUDENTS RESEARCH IN PROGRESS

These papers describe in-progress hypothesis-driven research in basic, clinical, translational, dissemination/implementation, or educational research.

### Pediatrics

448. Pharmacist involvement in pediatric summer camps for patients with chronic kidney disease. *Tracy Hagemann, Pharm.D.,<sup>1</sup> Jordan Perrine, B.S.<sup>2</sup>*; (1)University of Tennessee College of Pharmacy; (2) University of Tennessee Health Science Center College of Pharmacy



**MONDAY 11:30 AM to 1:15 PM - Grand Ballroom - East & West**

492	493	494	498	499	500	521	522	523	524
491	342	341	340	331	330	316	315	314	313
accp	465	467	468	accp	308	309	310	311	312
463	305	304	303	302E	291	201	290	289E	288
264	265	266	277	278	280	284	285	286E	287
262	255	253	252	246	245	244	243	242	241
205	206	215E	225	226	228	230	238	239	240
204	202	200	198	148	172	170	169	165	164E
133	134	135	145	147E	153	155	158	160	162E
132	131	130	125	121	120	119	117	116	115
95	96	97	98	99	100	101	102	107	114
86	84	80	78	77	accp	accp	75	70	63
40	42E	49	50	52E	54E	57E	58E	60	61
38E	37	36E	35E	34E	32E	31	30E	28	27
6E	7	8	9	10	16E	22E	23	24E	25E
4	2	1E	CRC	CRC	CRC	CRC	VPS	VPS	VPS
Entrance					Entrance				

CRC= 2016 Clinical Research Challenge Winners

VPS= 2016 Virtual Poster Symposium Winners

## Scientific Poster Presentations, III

### Monday, October 24

Grand Ballroom

11:30 a.m. – 1:15 p.m.

#### ENCORE PRESENTATIONS

Abstracts marked with an "E" are Encore Presentations. Encore Presentations have been presented elsewhere or published in abstract form before the 2016 ACCP Annual Meeting.

#### ORIGINAL RESEARCH

These papers describe quantitative or qualitative findings in basic, clinical, translational, dissemination/implementation, or educational research.

#### ADR/Drug Interactions

1E. Cardiac risk of concomitant levofloxacin with amiodarone.

*Benjamin Miao, Pharm.D. Candidate,<sup>1</sup> Luigi Brunetti, Pharm.D., MPH<sup>2</sup>; (1)Ernest Mario School of Pharmacy, Rutgers, State University of New Jersey, Piscataway, NJ; (2)Department of Pharmacy, Robert Wood Johnson University Hospital Somerset, Somerville, NJ*

2. Effects of multiple doses of lansoprazole on the pharmacokinetics of neratinib in healthy adult subjects.

*Kiana Keyvanjah, Pharm.D.,<sup>1</sup> Daniel DiPrimeo, M.S.,<sup>1</sup> Ai Li, Ph.D.,<sup>1</sup> Mohammad Obaidi, Ph.D.,<sup>2</sup> Dennis Swearingen, M.D.,<sup>2</sup> Alvin Wong, Pharm.D.<sup>1</sup>; (1)Puma Biotechnology Inc.; (2)Celerion*

#### Adult Medicine

4. Assessment of heparin anticoagulation adequacy in the obese non-acute coronary syndrome patient population using aPTT and anti-Xa assays.

*Kelly Rudd, Pharm.D.,<sup>1</sup> Valerie Bush, Ph.D.,<sup>2</sup> Anush Patel, M.D.,<sup>3</sup> Melissa Scribani, M.S.,<sup>4</sup> Narmadha Panneerselvam, M.D.,<sup>3</sup> Kulothungan Gunasekaran, M.D.<sup>3</sup>; (1)Department of Pharmacy, Bassett Medical Center, Cooperstown, NY; (2)Department of Pathology, Bassett Medical Center, Cooperstown, NY; (3)Department of Medicine, Bassett Medical Center, Cooperstown, NY; (4)Statistical Center, Bassett Research Institute, Cooperstown, NY*

6E. Exploring the risk factors for community-acquired *Clostridium difficile*.

*Allison Bell, Pharm.D., M.Sc.,<sup>1</sup> Ethan Pippin, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy Practice, University of Mississippi School of Pharmacy, Jackson, MS; (2)Department of Pharmacy, University of Mississippi Medical Center, Jackson, MS*

7. Review of enoxaparin doses greater than or equal to 150 mg.

*Erin Rogers, Pharm.D.,<sup>1</sup> Lisa Mostafavifar, Pharm.D.,<sup>1</sup> Kristin Brower, Pharm.D.,<sup>1</sup> Kyle Porter, Ph.D.<sup>2</sup>; (1) Department of Pharmacy, Ohio State University, Columbus, OH; (2)Center for Biostatistics, Ohio State University, Columbus, OH*

8. Evaluation of the chronic obstructive pulmonary disease exacerbation prescribing patterns at an academic medical center.

*Sarah Petite, Pharm.D., BCPS, Julie A. Murphy, Pharm.D., BCPS, FASHP, FCCP; College of Pharmacy and Pharmaceutical Sciences, University of Toledo, Toledo, OH*

9. A retrospective analysis of the relationship between health literacy and medication adherence.

*Anthony Zaki, B.S., Michael J. Gonyeau, BSPharm, Pharm.D., BCPS, FCCP; Northeastern University School of Pharmacy, Boston, MA*

10. Influence of an order set on the management of acute exacerbation of chronic obstructive pulmonary disease.

*Alyssa Thompson, Pharm.D.,<sup>1</sup> Eli Deal, Pharm.D., FCCP, BCPS,<sup>1</sup> Jeffrey Atkinson, M.D.<sup>2</sup>; (1)Department of Pharmacy, Barnes-Jewish Hospital; (2)Division of Pulmonary and Critical Care Medicine, Washington University School of Medicine*

## Ambulatory Care

16E. Clinical validation of R-T estimation for CoaguChek XS INR results.

*Christopher Richter, Pharm.D.,<sup>1</sup> James Taylor, Pharm.D.,<sup>2</sup> Joyanna Wright, Pharm.D.,<sup>1</sup> Bradley Fletcher, M.D., Ph.D.<sup>3</sup>; (1)Department of Pharmacy, UF Health, Gainesville, FL; (2)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (3)Department of Medicine, University of Florida College of Medicine, Gainesville, FL*

22E. Assessing the effect of pharmacist care on diabetes-related outcomes in a rural outpatient clinic: a retrospective case-control study.

*Cynthia Moreau, Pharm.D.,<sup>1</sup> Karen Sando, Pharm.D., BCACP, CDE,<sup>1</sup> Daniel Zambrano, Pharm.D.<sup>2</sup>; (1)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (2)Department of Pharmaceutical Outcomes and Policy, University of Florida College of Pharmacy, Gainesville, FL*

23. Impact of language preference on diabetes outcomes for patients referred to clinical pharmacy services.

*Brandon Nuziale, Pharm.D.,<sup>1</sup> Edward Saito, Pharm.D., BCACP,<sup>1</sup> Melanie Foeppel, Pharm.D.<sup>2</sup>; (1)School of Pharmacy, Pacific University, Hillsboro, OR; (2)School of Pharmacy, Pacific University, Hillsboro, OR*

24E. Evaluation of a collaborative care model with pharmacist-provided medication reviews for adults receiving hemodialysis.

*Paik Shia Lim, Pharm.D., BCPS,<sup>1</sup> Bih Yee Chia, BScPharm (Hon),<sup>1</sup> Hua Heng McVin Cheen, BScPharm (Hon), BCACP, CGP,<sup>1</sup> Xin Yi Gwee, BScPharm (Hon),<sup>1</sup> Mee Yin Melissa Chow, BPharm, BCPS,<sup>1</sup> Giat Yeng Khee, Pharm.D., BCPS,<sup>1</sup> Wan Chee Ong, Pharm.D., CGP, BCPS,<sup>1</sup> Yu Ling Cheryl Lim, BScPharm (Hon), CGP,<sup>1</sup> Lina Hui Lin Choong, MBBS, M Med (Int Med), FAMS<sup>2</sup>; (1)Department of Pharmacy, Singapore General Hospital, Singapore, Singapore; (2)Department of Renal Medicine, Singapore General Hospital, Singapore, Singapore*

25E. Impact of pharmacist telephone follow-up calls on patients with chronic obstructive pulmonary disease discharged from hospital to home.

*Luma Succar, Pharm.D.,<sup>1</sup> Rejena Azad, Pharm.D.,<sup>1</sup> Rafael Felippi, Pharm.D., BCPS,<sup>2</sup> Katherine K. Perez, Pharm.D., BCPS,<sup>1</sup> Kayode Giwa, Pharm.D., BCPP,<sup>1</sup> April Moretto, RN, CMBC<sup>3</sup>; (1)Department of Pharmacy Services, Houston Methodist Hospital, Houston, TX; (2)Department of Pharmacy Services, Houston Methodist Hospital; Houston Methodist Physicians' Alliance for Quality, Houston, TX; (3) Houston Methodist Physicians' Alliance for Quality, Houston, TX*

27. Clinical effectiveness of the improving health of at-risk rural patients (IHARP) pharmacist-physician collaborative care model.

*Gary R. Matzke, Pharm.D.,<sup>1</sup> Karen Williams, Pharm.D.,<sup>2</sup> Leticia Moczygemba, Pharm.D., Ph.D.,<sup>3</sup> Michael Czar, Ph.D., RPh,<sup>2</sup> William Lee, BPharm, MPA<sup>4</sup>; (1)Department of Pharmacotherapy and Outcomes Sciences, Virginia Commonwealth University School of Pharmacy, Richmond, VA; (2)Department of Pharmacy, Carilion New River Valley Medical Center, Christiansburg, VA; (3)Department of Pharmacotherapy and Outcome Sciences, Virginia Commonwealth University School of Pharmacy, Richmond, VA; (4)Carilion Clinic, Roanoke, VA*

28. Evaluation of a clinical pharmacy protocol to convert patients from warfarin to a non-vitamin K oral anticoagulant (NOAC) in a family medicine clinic.

*Marina Maes, B.S., Joseph J. Saseen, Pharm.D., Liza Wilson, Pharm.D.; Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO*

### Cardiovascular

30E. Real-world comparison of major bleeding risk among non-valvular atrial fibrillation patients newly initiated on apixaban, warfarin, dabigatran or rivaroxaban: a 1:1 propensity-score matched analysis.

*Gregory Lip, M.D., Allison Keshishian, MPH, Shital Kamble, Ph.D., M.S., MBA, Xianying Pan, M.S., Leah Burns, MPH, Jack Mardekian, Ph.D., Cristina Masseria, Ph.D., Amanda Bruno, Ph.D., Hemant Phatak, Ph.D.; Bristol-Myers Squibb*

31. Intracoronary nicardipine as a safe and cost-effective alternative to nitroprusside for slow- or no-reflow during percutaneous coronary intervention.

*Adam Pennoyer, Pharm.D., Douglas Jennings, Pharm.D., Amisha Patel, M.D., Ajay Kirtane, M.D., Karlene Ma, Pharm.D.; New York Presbyterian Columbia University Medical Center*

32E. Major bleeding risk in elderly patients age  $\geq 75$  years with non-valvular atrial fibrillation initiating oral anticoagulants: a "real-world" comparison of warfarin, apixaban, dabigatran, or rivaroxaban.

*Gregory Lip, M.D., Allison Keshishian, MPH, Shital Kamble, Ph.D., M.S., MBA,<sup>2</sup> Xianying Pan, M.S., Leah Burns, MPH, Jack Mardekian, Ph.D., Ruslan Horblyuk, Ph.D., MBA, Melissa Hamilton, MPH; (1)Bristol-Myers Squibb*

34E. Real-world comparison of major bleeding and associated costs among treatment-naïve non-valvular atrial fibrillation patients initiating apixaban or warfarin.

*Alpesh Amin, M.D.,<sup>1</sup> Allison Keshishian, MPH, Lin Xie, MPH, Onur Baser, Ph.D., M.S., Kwanza Price, MPH, Lien Vo, Pharm.D., MPH,<sup>3</sup> Jack Mardekian, Ph.D., Mario Mendoza, M.D., M.S., Shalabh Singhal, M.D., Chad Patel, Pharm.D., Kevin Odell, Pharm.D., Jeffrey Trocio, MPH; (1)UC Irvine College of Medicine, Irvine, CA; (2)Bristol-Myers Squibb, Plainsboro, NJ*

35E. Eptifibatide in the treatment of pump thrombosis: what is the prescription?

*Lisa Peters, Pharm.D., David Majure, M.D., MPH, Maria Rodrigo, M.D., Farooq Sheikh, M.D., Mark Hofmeyer, M.D., Ezequiel Molina, M.D., Steven Boyce, M.D., Samer Najjar, M.D.; MedStar Washington Hospital Center, Washington, DC*

36E. Influence of progesterone administration on drug-induced torsades de pointes in AV node-ablated isolated perfused rabbit hearts.

*James Tisdale, Pharm.D.,<sup>1</sup> Heather Jaynes, MSN,<sup>1</sup> Brian Overholser, Pharm.D.,<sup>1</sup> Kevin Sowinski, Pharm.D.,<sup>1</sup> David Flockhart, M.D., Ph.D.,<sup>2</sup> Richard Kovacs, M.D.<sup>2</sup>; (1)College of Pharmacy, Purdue University, Indianapolis, IN; (2)School of Medicine, Indiana University, Indianapolis, IN*

37. Chronological changes and correlates of loop diuretic dose in left ventricular assist device patients.

*Kazuhiko Kido, Pharm.D., M.S.,<sup>1</sup> Richard Charnigo, Ph.D.,<sup>2</sup> Bennet George, M.D.,<sup>3</sup> Tracy Macaulay, Pharm.D.,<sup>4</sup> Sara Brouse, Pharm.D.,<sup>5</sup> Maya Guglin, M.D., Ph.D.<sup>3</sup>; (1)Pharmacy Practice, South Dakota State University College of Pharmacy, Sioux Falls, SD; (2)Department of Statistics, University of Kentucky, Lexington, KY; (3)Gill Heart Institute, University of Kentucky, Lexington, KY; (4)Pharmacy, University of Kentucky; (5)Pharmacy Services, University of Kentucky HealthCare, Lexington, KY*

38E. Trends in antihypertensive medication use among U.S. patients with resistant hypertension, 2008-2014.

*Steven Smith, Pharm.D., MPH,<sup>1</sup> Andrew Hwang, Pharm.D.,<sup>2</sup> Chintin Dave, Pharm.D.<sup>3</sup>; (1)University*

of Florida; (2)Departments of Pharmacotherapy & Translational Research and Community Health & Family Medicine, University of Florida Colleges of Pharmacy and Medicine; (3)Department of Pharmaceutical Outcomes & Policy, University of Florida College of Pharmacy

40. The role of plasma renin activity for improving precision of antihypertensive drug therapy in European Americans and African Americans.

*Mai Mehanna, BSPHarm, BCPS*,<sup>1</sup> Yan Gong, Ph.D.,<sup>1</sup> Caitrin W. McDonough, Ph.D.,<sup>1</sup> Amber Beitelshes, Pharm.D., MPH,<sup>2</sup> John Gums, Pharm.D.,<sup>1</sup> Arlene B. Chapman, M.D.,<sup>3</sup> Julie Johnson, Pharm.D.,<sup>1</sup> Stephen Turner, M.D.,<sup>4</sup> Rhonda Cooper-DeHoff, Pharm.D., M.S.<sup>1</sup>; (1)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL; (2)Department of Medicine, University of Maryland, Baltimore, MD; (3)Department of Medicine, University of Chicago; (4)College of Medicine, Mayo Clinic, Rochester, MN

42E. Mortality following initiation or discontinuation of guideline-directed medical therapies in hospitalized heart failure patients in the Atherosclerosis Risk in Communities study.

*Richard Tran, Pharm.D.*,<sup>1</sup> Jo E. Rodgers, Pharm.D., FCCP, BCPS-AQ Cardiology,<sup>1</sup> Ahmed Aldemerdash, Pharm.D.,<sup>1</sup> Patricia Chang, M.D., M.S.,<sup>2</sup> Carla Sueta, M.D., Ph.D.,<sup>2</sup> Josephine Asafu-Adjei, Ph.D.,<sup>3</sup> Anna Kucharska-Newton, Ph.D.,<sup>3</sup> Sally Stearns, Ph.D.,<sup>3</sup> Orly Vardeny, Pharm.D.,<sup>4</sup> Brystana Kaufman, MSPH,<sup>3</sup> Eliza Daubert, Pharm.D.<sup>1</sup>; (1)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (2)School of Medicine, University of North Carolina, Chapel Hill, NC; (3)School of Public Health, University of North Carolina, Chapel Hill, NC; (4)School of Pharmacy, University of Wisconsin, WI

## Clinical Administration

49. Impact of shadow rounding on patient recall of medication indications and side effects.

*Lanh Dang, Pharm.D.*, Bernadette Belgado, Pharm.D., Denise Kelley, Pharm.D., Marci DeLos Santos, Pharm.D.; Department of Pharmacy, UF Health Jacksonville, Jacksonville, FL

## Community Pharmacy Practice

50. Pharmacy interpretation and translation refugee services in the city of Buffalo.

*Gina M. Prescott, Pharm.D., BCPS*, Sarah Dascanio, Pharm.D./MPH Candidate, Angela Pieprzak, Pharm.D./MPH Candidate; School of Pharmacy and Pharmaceutical Sciences, University at Buffalo, Buffalo, NY

## Critical Care

52E. Evaluation of intravenous bumetanide versus intravenous furosemide in patients with heart failure with reduced ejection fraction and chronic kidney disease.

*Rachel Dobersztyn, Pharm.D., BCPS*,<sup>1</sup> Kimberly Ackerbauer, Pharm.D., BCCCP, BCPS,<sup>2</sup> Joshua DeMott, Pharm.D., BCCCP, BCPS<sup>2</sup>; (1)Midwestern University Chicago College of Pharmacy, Downers Grove, IL; (2)Rush University Medical Center, IL

54E. International survey of pharmacologic VTE prophylaxis practice in critically ill obese patients.

*Abigail Antigua, Pharm.D.*,<sup>1</sup> Stacy Voils, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy, North Florida Regional Medical Center, Gainesville, FL; (2)College of Pharmacy, UF College of Pharmacy, Gainesville, FL

57E. Enhanced renal clearance in patients with aneurysmal subarachnoid hemorrhage.

*Kathryn Morbitzer, Pharm.D.*,<sup>1</sup> Dedrick Jordan, M.D.,<sup>2</sup> Casey Olm-Shipman, M.D., M.S.,<sup>2</sup> Kelly Sullivan, Pharm.D.,<sup>3</sup> Emily Durr, Pharm.D.,<sup>3</sup> Denise Rhoney, Pharm.D.<sup>1</sup>; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)UNC School of Medicine; (3)UNC Hospitals Department of Pharmacy

58E. Enhanced renal clearance in patients with intracerebral hemorrhage.

*Kathryn Morbitzer, Pharm.D.*,<sup>1</sup> Dedrick Jordan, M.D.,<sup>2</sup> Kelly Sullivan, Pharm.D.,<sup>3</sup> Emily Durr, Pharm.D.,<sup>3</sup> Casey Olm-Shipman, M.D., M.S.,<sup>2</sup> Denise Rhoney, Pharm.D.<sup>1</sup>; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)UNC School of Medicine; (3)UNC Hospitals Department of Pharmacy

60. The effects of albumin in patients with septic shock in intensive care units.

*Yi-yun Lee, Pharm.D.*,<sup>1</sup> Man-Tzu Wu, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy, Wan Fang Hospital, Taipei Medical University;; (2)Department of Pharmacy, Wan Fang Hospital, Taipei Medical University

61. Analysis of the safety of adjunctive continuous infusion ketamine for maintenance sedation in critically ill patients.

*Jolie Gallagher, Pharm.D.*,<sup>1</sup> Peter Lyu, MSPH,<sup>2</sup> Deepa Patel, M.D.,<sup>3</sup> Mark Caridi-Sheible, M.D.,<sup>4</sup> David Grenda, M.D.,<sup>5</sup> James Blum, M.D., FCCM,<sup>6</sup> Christopher Paciullo, Pharm.D., BCCCP, FCCM<sup>7</sup>; (1)Department of Pharmacy, Emory University Hospital, Atlanta, GA; (2)Emory Healthcare; (3) Department of Anesthesiology, Emory University School of Medicine; (4)Department of Anesthesiology, Emory University School of Medicine; (5)Department of Anesthesiology, Emory University School of Medicine, Atlanta, GA; (6)Department of Anesthesiology, Emory University School of Medicine, Atlanta, GA; (7)Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA

63. Tolerance of enteral nutrition co-administered with vasopressors in surgical and trauma intensive care unit patients.

*Ben Pullinger, Pharm.D.*,<sup>1</sup> Kerry Mohrien, Pharm.D., BCPS,<sup>1</sup> Sharon Del Bono, RD, CNSC,<sup>2</sup> Elaine Chan, M.D.,<sup>3</sup> Kimberley Harris, Pharm.D., BCPS<sup>1</sup>; (1)Department of Pharmacy Services, Temple University Hospital, Philadelphia, PA; (2)Department of Hospitality and Nutrition Services, Temple University Hospital, Philadelphia, PA; (3)Department of Surgery, Temple University Hospital, Philadelphia, PA

## Dermatology

64E. Reduced pruritus and signs of atopic dermatitis in phase 3 trials with a nonsteroidal topical phosphodiesterase inhibitor, crisaborole.

*Adelaide Hebert, M.D.*,<sup>1</sup> Lawrence Eichenfeld, M.D.,<sup>2</sup> Mark Lebwohl, M.D.,<sup>3</sup> Amy Paller, M.D.,<sup>4</sup> Eric Simpson, M.D.,<sup>5</sup> Wynniss Tom, M.D.,<sup>2</sup> Mary Spellman, M.D.,<sup>6</sup> Matilda Hughes, M.S.,<sup>6</sup> Lee Zane, M.D., FAAD<sup>5</sup>; (1)University of Texas Health Science Center Houston, Houston, TX; (2)Rady Children's Hospital, San Diego, CA; (3)Icahn School of Medicine at Mount Sinai, New York, NY; (4)Northwestern University, Feinberg School of Medicine, Chicago, IL; (5)Oregon Health and Science University, Portland, OR; (6)Anacor Pharmaceuticals, Inc., Palo Alto, CA

65E. Two phase 3 studies in children and adult patients with mild to moderate atopic dermatitis with crisaborole ointment, a novel, nonsteroidal, topical anti-inflammatory, phosphodiesterase 4 inhibitor.

*Amy Paller, M.D.*,<sup>1</sup> Wynniss Tom, M.D.,<sup>2</sup> Mark Lebwohl, M.D.,<sup>3</sup> Robin Blumenthal, Ph.D.,<sup>4</sup> Mark Boguniewicz, M.D.,<sup>5</sup> Robert Call, M.D.,<sup>6</sup> Lawrence Eichenfeld, M.D.,<sup>2</sup> Douglass Forsha, M.D.,<sup>7</sup> William Rees, M.D.,<sup>8</sup> Eric Simpson, M.D.,<sup>9</sup> Linda Stein Gold, M.D.,<sup>10</sup> Andrea Zeanglein, M.D., FAAD,<sup>11</sup> Mary Spellman, M.D.,<sup>4</sup> Lee Zane, M.D., FAAD,<sup>4</sup> Adelaide Hebert, M.D.<sup>12</sup>; (1)Northwestern University, Feinberg School of Medicine, Chicago, IL; (2)Rady Children's Hospital, San Diego, CA; (3)Icahn School of Medicine at Mount Sinai, New York, NY; (4)Anacor Pharmaceuticals, Inc., Palo Alto, CA; (5)National Jewish Health, Denver, CO; (6)Clinical Research Partners, LLC, Richmond, VA; (7)Jordan Valley Dermatology & Research Center, West Jordan, UT; (8)PI-Coor Clinical Research, Burke, VA; (9) Oregon Health and Science University, Portland, OR; (10)Henry Ford Health System, Detroit, MI; (11) Pennsylvania State University, Hershey, PA; (12)University of Texas Health Science Center Houston, Houston, TX



**Education/Training**

70. Differences in student evaluations of teaching between a main and a regional school of pharmacy.

*Kurt Wargo, Pharm.D., Lindsay Meadowcraft, Pharm.D.; Hendersonville Regional Campus, Wingate University School of Pharmacy, Hendersonville, NC*

75. Evaluating student success and confidence relating to Choose All That Apply (CATA) style questions.

*Krystal K.C. Riccio, Pharm.D., BCACP, CDE, C. Leiana Oswald, Pharm.D., David Kogan, Pharm.D. Candidate 2017; College of Pharmacy, Roseman University of Health Sciences, Henderson, NV*

77. Interprofessional collaborative practice through an adult medicine based simulation.

*Jon P. Wietholter, Pharm.D., BCPS;<sup>1</sup> Carl Grey, M.D.,<sup>2</sup> Aletha Rowlands, Ph.D., MSN, RNFA, CNOR<sup>3</sup>; (1) Department of Clinical Pharmacy, West Virginia University School of Pharmacy, Morgantown, WV; (2) West Virginia University School of Medicine, Morgantown, WV; (3) West Virginia University School of Nursing, Morgantown, WV*

78. Evaluation of a flipped classroom approach in a pharmacology-based anatomy and physiology course.

*Cody Moore, Pharm.D., Ashley Fancher, B.S., Heather J. Johnson, Pharm.D., Randall Smith, Ph.D., Thomas D. Nolin, Pharm.D., Ph.D., James Coons, Pharm.D., Michael Shullo, Pharm.D., Susan Parnell, B.S., Christopher Ensor, Pharm.D.; University of Pittsburgh, Pittsburgh, PA*

80. Do faculty and residents grade differently? Evaluation of grades in a therapeutics seminar course series.

*Michael Gonyeau, BSPHarm, Pharm.D., MEd, FNAP, FCCP, BCPS;<sup>1</sup> Francesca Napolitano, BSPHarm Studies;<sup>2</sup> Margarita V. DiVall, Pharm.D., MEd, BCPS<sup>1</sup>; (1) Department of Pharmacy and Health Systems Sciences, Northeastern University, Boston, MA; (2) School of Pharmacy, Northeastern University, Roxbury Crossing, MA*

84. Comparison of two didactic presentation methods on pharmacy student knowledge and confidence in smoking cessation.

*Jeanna Sewell, Pharm.D.,<sup>1</sup> Justin J. Sherman, MCS, Pharm.D.<sup>2</sup>; (1) Department of Pharmacy Practice, University of Mississippi School of Pharmacy, Jackson, MS; (2) School of Pharmacy, University of Mississippi School of Pharmacy, Jackson, MS*

86. Development and pilot of a standardized pharmacy residency in-service examination.

*Veena Venugopalan, Pharm.D., Evangelia Davanos, Pharm.D., Robert Digregorio, Pharm.D.; College of Pharmacy, University of Florida, Gainesville, FL*

95. Barriers to AAHIVP credentialing are connected to lack of reimbursement, not awareness, among HIV pharmacist specialists.

*Milena M. McLaughlin, Pharm.D., M.Sc.,<sup>1</sup> Lori Gordon, Pharm.D.,<sup>2</sup> Thomas J. Kleyn, Pharm.D.,<sup>3</sup> James Scott, Pharm.D., MEd<sup>4</sup>; (1) Department of Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, IL; (2) Xavier University of Louisiana, New Orleans, LA; (3) Eskenazi Health, Indianapolis, IN; (4) Western University of Health Sciences, Pomona, CA*

96. Identifying health care perceptions among sub-Saharan African immigrants in the United States.

*Ferealem Assefa, Pharm.D., Lauren Jonkman, Pharm.D., MPH, Sharon Connor, Pharm.D., Martha Ndungu, Pharm.D. Candidate, Doreen Foy, Pharm.D. Candidate; University of Pittsburgh School of Pharmacy, Pittsburgh, PA*

97. Publication records of pharmacy practice chairpersons: a 5-year analysis.

*Hua Ling, Pharm.D.*,<sup>1</sup> Sri Topalli, Pharm.D. Student,<sup>1</sup> Fang Li, Ph.D.,<sup>2</sup> Francis Ndemo, Pharm.D.,<sup>1</sup> David Ombengi, Pharm.D.<sup>1</sup>; (1)Department of Pharmacy Practice, Hampton University, Hampton, VA; (2) School of Pharmacy, Yancheng Institute of Health Science, Yancheng, China

### Emergency Medicine

98. The relationship between diltiazem dosing, rate control and body composition in patients with atrial fibrillation and rapid ventricular response.

*Lindsey Jachim, Pharm.D. Candidate*,<sup>1</sup> Christine Brun, Pharm.D.,<sup>2</sup> Jordan R Covvey, Pharm.D., Ph.D., BCPS,<sup>1</sup> David E. Zimmerman, Pharm.D., BCPS<sup>2</sup>; (1)Duquesne University Mylan School of Pharmacy, Pittsburgh, PA; (2)Allegheny General Hospital, Pittsburgh, PA

99. Novel strategy to increase insulin initiation in the emergency department (ED).

Maryam Fazel, Pharm.D., BCPS, BCACP, CDE,<sup>1</sup> Anna Waterbrook, M.D.,<sup>2</sup> *Osamah Alfayez, Pharm.D.*,<sup>1</sup> Merri Pendergrass, M.D., Ph.D.<sup>3</sup>; (1)Department of Pharmacy Practice and Science, University of Arizona College of Pharmacy, Tucson, AZ; (2)Department of Emergency Medicine, University of Arizona College of Medicine, Tucson, AZ; (3)Department of Medicine/Endocrinology, University of Arizona College of Medicine, Tucson, AZ

100. The relationship between nicardipine dosing, blood pressure and body composition in patients with intracranial bleeding.

*Bridget Batykefer, Pharm.D. Candidate*, Jordan R Covvey, Pharm.D., Ph.D., BCPS, David E Zimmerman, Pharm.D., BCPS; Duquesne University Mylan School of Pharmacy, Pittsburgh, PA

101. Pharmacist-managed bacteremia treatment compared to the historical standard of care in a community hospital emergency department.

*Annie Torosyan, Pharm.D.*, Dustin Waters, Pharm.D., BCPS, Kevin Myers, Pharm.D., BCPS, Bryce Bitton, Pharm.D., BCPS; Department of Pharmacy, Intermountain Healthcare - McKay-Dee Hospital, Ogden, UT

102. Multicenter retrospective review comparing two different Kcentra dispensing practices.

Tameka Lewis, Pharm.D.,<sup>1</sup> *Abby Bailey, Pharm.D.*,<sup>2</sup> Regan Baum, Pharm.D.,<sup>2</sup> Amy Schultz, Pharm.D.,<sup>3</sup> Stephanie Thompson, Ph.D.,<sup>4</sup> Stephanie Justice, Pharm.D.<sup>5</sup>; (1)Department of Pharmacy, Charleston Area Medical Center; (2)Department of Pharmacy Services, University of Kentucky HealthCare, Lexington, KY; (3)Charleston Area Medical Center; (4)CAMC Health Education and Research Institute, Charleston Area Medical Center; (5)Department of Pharmacy, St. Claire Regional Medical Center

### Endocrinology

107. Comparable steady-state total testosterone exposure from intramuscular or subcutaneous administration in transgender males.

*Tony K.L. Kiang, BScPharm, Ph.D., ACPR*,<sup>1</sup> David Wilson, M.D.,<sup>2</sup> Mary Ensom, BScPharm, Pharm.D., FASHP, FCCP, FCSHP, FCAHS<sup>3</sup>; (1)Department of Pharmacy, Vancouver General Hospital, Vancouver, British Columbia, Canada; (2)Vancouver Coastal Health; (3)Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada

### Family Medicine

114. Evaluating metformin based dual therapy of individuals with type 2 diabetes mellitus in a primary care clinic.

*Kimberly L. Zitko, Pharm.D.*,<sup>1</sup> Amy M. Drew, Pharm.D., BCPS,<sup>1</sup> Carmen B. Smith, Pharm.D., BCPS<sup>2</sup>; (1) Mercy Hospital St. Louis; (2)St. Louis College of Pharmacy, St. Louis, MO

## 115. Student pharmacist contributions in Rutgers student-run free clinics.

*Daniel Dipsia, Student,<sup>1</sup> Megan Maroney, Pharm.D.,<sup>2</sup> Justin Lim, Student<sup>1</sup>; (1)Rutgers University, Ernest Mario School of Pharmacy, Piscataway, NJ; (2)Department of Pharmacy Practice, Rutgers University, Ernest Mario School of Pharmacy, Piscataway, NJ*

## 116. Association of obesogenic medications with weight gain during a weight loss intervention.

*Ashley Crowl, Pharm.D., BCACP,<sup>1</sup> Annie Harvey, Ph.D.;<sup>2</sup> (1)Pharmacy Practice Department, University of Kansas School of Pharmacy, Wichita, KS; (2)Via Christi Health Family Medicine Residency Program, Wichita, KS*

## 117. Integration of clinical pharmacists in family medicine residency programs.

*Jody Lounsbery, Pharm.D., BCPS,<sup>1</sup> Jennie Jarrett, Pharm.D., BCPS, MMedEd,<sup>2</sup> Lori Dickerson, Pharm.D., FCCP,<sup>3</sup> Stephen Wilson, M.D., MPH, FAFP;<sup>4</sup> (1)Department of Pharmaceutical Care & Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (2)UPMC St. Margaret Family Medicine Residency Program, UPMC St. Margaret, Pittsburgh, PA; (3)Department of Family Medicine, Medical University of South Carolina; (4)UPMC St. Margaret Family Medicine Residency Program*

**Gastroenterology**

## 119. Clinical impact of acid suppressive therapy on hepatitis C treatment with ledipasvir/sofosbuvir.

*Jennifer Stark, Pharm.D., BCPS,<sup>1</sup> Lauren Jindracek, Pharm.D.,<sup>1</sup> Johnny Henley, M.D.;<sup>2</sup> (1)Department of Pharmacy, Veterans Healthcare System of the Ozarks, Fayetteville, AR; (2)Department of Medicine, Veterans Healthcare System of the Ozarks, Fayetteville, AR*

**Geriatrics**

## 120. The relationship of cognitive function on disease outcomes in older Hispanics with type 2 diabetes: a pilot study.

*Joshua Caballero, Pharm.D.,<sup>1</sup> Raymond Ownby, M.D., Ph.D.,<sup>2</sup> Robin Jacobs, Ph.D., MSW, M.S., MPH(c),<sup>3</sup> Naushira Pandya, M.D.,<sup>4</sup> Patrick Hardigan, Ph.D.;<sup>5</sup> (1)Nova Southeastern University, College of Pharmacy, Davie, FL; (2)Department of Psychiatry, College of Osteopathic Medicine, Nova Southeastern University, Ft. Lauderdale, FL; (3)Department of Psychiatry & Behavioral Medicine; Biomedical Informatics Program; Public Health Program, Nova Southeastern University College of Osteopathic Medicine, Ft. Lauderdale, FL; (4)Department of Geriatrics, College of Osteopathic Medicine, Nova Southeastern University, Ft. Lauderdale, FL; (5)Health Professions Division, Nova Southeastern University, Fort Lauderdale, FL*

## 121. A prevalence study of potentially inappropriate medications use in hospitalized Pakistani elderly.

*Faizan Mazhar, Pharm.D., MPhil, BCPS,<sup>1</sup> Shahzad Akram, Pharm.D., BCPS,<sup>2</sup> Nafis Haider, BPharm, Ph.D.,<sup>1</sup> Saima Mahmood Malhi, BPharm, Ph.D.<sup>3</sup>; (1)King Fahad Military Medical Complex, Dhahran, Saudi Arabia; (2)Pharmaceutical Care, King Abdulaziz Medical City, Riyadh, Saudi Arabia; (3)Pharmacy Practice, Dow College of Pharmacy, Karachi, Pakistan*

## 125. Comparison of opioid-treated nursing home residents (NHR) with and without opioid-induced constipation (OIC).

*Barbara Zarowitz, Pharm.D.,<sup>1</sup> Terrence O'Shea, Pharm.D.,<sup>2</sup> Carrie Allen, Pharm.D.,<sup>3</sup> Catherine Datto, M.D., M.S.,<sup>4</sup> Tope Olufade, Ph.D., MPH;<sup>5</sup> (1)Geriatric Center of Clinical Excellence, CVS Health, Livonia, MI; (2)Geriatric Center of Clinical Excellence, CVS Health, Englewood, OH; (3)Geriatric Center of Clinical Excellence, CVS Health, San Antonio, TX; (4)AstraZeneca Pharmaceuticals LP, Wilmington, DE; (5)Health Economics and Outcomes Research, Astra Zeneca, Delaware, RI*

## Health Services Research

130. Physician-pharmacist collaborative management: narrowing the socioeconomic gap.  
*Tyler Gums, Pharm.D., M.S.,<sup>1</sup> Barry Carter, Pharm.D.,<sup>2</sup> Maxwell Anderegg, B.S.,<sup>3</sup> Liz Uribe, M.S.,<sup>4</sup> Christopher Coffey, Ph.D.<sup>5</sup>*; (1)Department of Pharmacy Practice & Science, University of Iowa College of Pharmacy, Iowa City, IA; (2)Pharmacy Practice and Science, University of Iowa College of Pharmacy, Iowa City, IA; (3)Pharmacy Practice and Science, University of Iowa; (4)Department of Biostatistics; (5) University of Iowa-Department of Biostatistics, Iowa City, IA

131. Evaluation of a multidisciplinary care transition program with pharmacist-provided home-based medication review for elderly Singaporeans at high risk of hospital readmissions.

*Hua Heng McVin Cheen, BScPharm (Hon), CGP, BCACP;<sup>1</sup> Chong Ping Goon, BScPharm (Hon),<sup>1</sup> Giat Yeng Khee, Pharm.D., BCPS;<sup>1</sup> Wan Chee Ong, Pharm.D., CGP, BCPS;<sup>1</sup> Choon Nam Wan, BScPharm, CGP;<sup>1</sup> Mei Yan Leong, B.Sc. (Nursing), AdvDip (Gerontology),<sup>2</sup> Fei Qiu, B.Sc. (Nursing),<sup>2</sup> Paik Shia Lim, Pharm.D., BCPS;<sup>1</sup>* (1)Department of Pharmacy, Singapore General Hospital, Singapore, Singapore; (2) Agency for Integrated Care, Nursing Division, Singapore General Hospital, Singapore, Singapore

132. Application of statin medication adherence trajectory models in an integrated financing and care delivery system.

*Caitlin K. Frail, Pharm.D., M.S., BCACP;<sup>1</sup> Avis J. Thomas, M.S.,<sup>2</sup> Pamala A. Pawloski, Pharm.D.<sup>2</sup>*; (1) Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (2)HealthPartners Institute, Bloomington, MN

133. Attitudes and perceptions towards patient-centered mobile health applications that support dynamic, interdisciplinary interventions.

*Rowshan Chowdhury, Pharm.D. Candidate c/o 2017;<sup>1</sup> Christopher Konig, Pharm.D. Candidate c/o 2018;<sup>1</sup> Aimon C. Miranda, Pharm.D., BCPS;<sup>2</sup>* (1)University of South Florida College of Pharmacy, Tampa, FL; (2)Department of Pharmacotherapeutics and Clinical Research, University of South Florida, College of Pharmacy, Tampa, FL

134. Development of a predictive model for targeting clinical pharmacist intervention for high-risk patients in extended care facilities.

*Linda Weffald, Pharm.D., Thomas Delate, Ph.D., M.S., Lauren Heath, Pharm.D., Sheryl Herner, Pharm.D., Dwight Paulson, Pharm.D., Julia Sanchez, Pharm.D.*; Department of Pharmacy, Kaiser Permanente Colorado, Aurora, CO

## HIV/AIDS

145. Initiation of a treatment switch from a multiple-tablet ART regimen to a single-tablet ART regimen in a non-adherent HIV population.

*Sarah Lewter, B.S., Scott Sutton, Pharm.D., BCPS-AQ ID*; South Carolina College of Pharmacy-USC Campus, South Carolina College of Pharmacy - USC Campus, Columbia, SC

147E. Medication possession ratio predicts longitudinal HIV-1 viral suppression.

*R. Chris Rathbun, Pharm.D., FCCP, BCPS-AQ ID, AAHIVP;<sup>1</sup> Michelle Liedtke, Pharm.D., BCPS, AAHIVP;<sup>1</sup> W. Cheng Yuet, Pharm.D.,<sup>2</sup> Jamie Miller, Pharm.D., BCPS, BCPPS,<sup>1</sup> Grant Skrepnek, Ph.D., RPh;<sup>1</sup>* (1) Department of Clinical and Administrative Sciences, College of Pharmacy, University of Oklahoma Health Sciences Center, Oklahoma City, OK; (2)Department of Pharmacotherapy, University of North Texas Health Sciences Center College of Pharmacy, Fort Worth

148. Correlation of medication complexity index with adherence and HIV virologic outcomes.

*R. Chris Rathbun, Pharm.D., FCCP, BCPS-AQ ID, AAHIVP;<sup>1</sup> Yao-Hua Lin, Pharm.D., BCPS,<sup>2</sup> Michelle Liedtke, Pharm.D., BCPS, AAHIVP;<sup>1</sup> Kevin Farmer, Ph.D., FAPhA,<sup>1</sup> Grant Skrepnek, Ph.D., RPh;<sup>1</sup>* (1) Department of Clinical and Administrative Sciences, College of Pharmacy, University of Oklahoma Health Sciences Center, Oklahoma City, OK; (2)Department of Pharmacy, CHRISTUS St. Michael Health System, Texarkana, TX

**Infectious Diseases**

153. Synergistic effect of fluconazole and amlodipine against resistant *Candida albicans* mediated by disruption of calcium homeostasis.

*Shujuan Sun, Ph.D.*,<sup>1</sup> Shuyan Liu, M.S.,<sup>2</sup> Xiuyun Li, B.S.<sup>2</sup>; (1)Pharmacy Department, Qianfoshan Hospital Affiliated to Shandong University, Jinan, China; (2)Shandong University

155. Incidence of acute kidney injury during treatment with vancomycin in combination with piperacillin-tazobactam or cefepime.

*Julia Carrington, Pharm.D.*, James Beardsley, Pharm.D., John Williamson, Pharm.D., James Johnson, Pharm.D., Isai Bowline, M.D.; Wake Forest Baptist Health, Winston Salem, NC

158. Prescribing patterns of antimicrobials in UTIs pre- and post-intervention.

*Pramodini Kale-Pradhan, Pharm.D.*, FCCP,<sup>1</sup> Nathan French, Pharm.D.,<sup>2</sup> Raymond Phung, Pharm.D.,<sup>2</sup> Susanna Szpunar, Ph.D.,<sup>3</sup> Leonard Johnson, M.D.<sup>4</sup>; (1)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Pharmacy, St. John Hospital and Medical Center, Detroit, MI; (3) Medical Education, St. John Hospital and Medical Center, Grosse Pointe Woods, MI; (4)Department of Infectious Diseases, St. John Hospital and Medical Center and Wayne State University, Grosse Pointe, MI

160. Impact of a novel antimicrobial stewardship program on reducing the incidence of *Clostridium difficile* infection and the use of high-risk antibiotics in three university hospitals.

*Albina Ongari, Pharm.D.*,<sup>1</sup> Nikunj Vyas, Pharm.D.,<sup>1</sup> Shereef Ali, Pharm.D., BCPS,<sup>2</sup> Cindy Hou, DO, MBA<sup>3</sup>; (1)Pharmacy, Kennedy Health, Stratford, NJ; (2)Pharmacy, Kennedy Health, Cherry Hill, NJ; (3)Kennedy Health, Stratford, NJ

162E. Impact of an infectious diseases consult on *Staphylococcus aureus* bacteremia management.

John Edelstein, Pharm.D.,<sup>1</sup> Jessica Pakulski, Pharm.D., BCPS,<sup>1</sup> Lindsey Eitniear, Pharm.D., BCPS, AAHIVP,<sup>1</sup> William Helmink, MBA, MT, ASCP,<sup>2</sup> Claudiu Georgescu, M.D.,<sup>3</sup> Kelli Cole, Pharm.D., BCPS<sup>1</sup>; (1) Department of Pharmacy Services, University of Toledo Medical Center, Toledo, OH; (2)Department of Pathology, University of Toledo Medical Center; (3)Department of Infectious Diseases, University of Toledo Medical Center, Toledo, OH

164E. Evaluation of a 5-day course of levofloxacin in males with a urinary tract infection, a subgroup analysis of a previously published trial.

Geoffrey Mospan, Pharm.D.,<sup>1</sup> Kurt Wargo, Pharm.D.<sup>2</sup>; (1)School of Pharmacy, Wingate University School of Pharmacy, Hendersonville, NC; (2)Hendersonville Regional Campus, Wingate University School of Pharmacy, Hendersonville, NC

165. Effect of real-time *Mycoplasma pneumoniae* polymerase chain reaction testing on azithromycin use in a pediatric intensive care unit.

Ellie G. Hendricks, Pharm.D., Amanda L. Hurst, Pharm.D.; Department of Pharmacy, Children's Hospital Colorado, Aurora, CO

169. Clinical pharmacist intervention on procalcitonin (PCT) levels in an academic level one trauma center – do we make a difference?

*Karen Nguyen, Pharm.D.*, Eva Sullivan, Pharm.D., Harminder Sikand, Pharm.D., FCSHP, FASHP; Department of Pharmacy, Scripps Mercy Hospital, San Diego, CA

170. Effectiveness of a pharmacist to dose vancomycin consult service in attaining therapeutic trough levels in a teaching hospital.

*Ellen Robinson, Pharm.D.*, Kristi Traugott, Pharm.D., BCPS, Darrel W. Hughes, Pharm.D., BCPS,

Stephanie Younts, Pharm.D., BCPS, Daniel Gonzalez, Pharm.D.; Department of Pharmacy Services, University Health System, San Antonio, TX

172. Negative predictive value of nasal swab polymerase chain reaction screening test in hospitalized patients for methicillin-resistant *Staphylococcus aureus* culture positive pneumonia. *Scott Wilkie, Pharm.D.*,<sup>1</sup> John Phillips, Pharm.D.,<sup>2</sup> Lindsay Harris, Pharm.D.,<sup>2</sup> Jared Chiusano, Pharm.D.,<sup>1</sup> Clay Otto, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy, Mission Hospital, Asheville, NC; (2)Pharmacy Department, Mission Hospital, Asheville, NC

### Medication Safety

198. Effect of a rivaroxaban patient assistance kit (R-PAK) for patients discharged with rivaroxaban: a randomized controlled trial.

Michelle Castelli, Pharm.D., Catherine Saint, Pharm.D., *Andrew J. Crannage, Pharm.D., BCPS*, Zachary A. Stacy, Pharm.D., BCPS, Jamie M. Pitlick, Pharm.D., BCPS; St. Louis College of Pharmacy/Mercy Hospital St. Louis, St. Louis, MO

200. Appropriate monitoring to improve sotalol safety.

*Kelly C. Rogers, Pharm.D.*,<sup>1</sup> Nicholas Elliott, Pharm.D.,<sup>2</sup> Lindsey Greiner, Pharm.D.,<sup>3</sup> Michael Brenner, Pharm.D., BCPS-AQ Cardiology,<sup>3</sup> Shannon W. Finks, Pharm.D.<sup>1</sup>; (1)Department of Clinical Pharmacy, University of Tennessee College of Pharmacy, Memphis, TN; (2)Department of Pharmacy, Veterans Affairs Medical Center, Memphis, Memphis, TN; (3)VA Ann Arbor Healthcare System, Ann Arbor, MI

201. Medication discrepancies in elderly patients admitted through emergency department in Korea.

*So-Youn Park, Ph.D. Candidate*,<sup>1</sup> Hyunah Kim, Pharm.D., BCPS,<sup>1</sup> Haesook Kim, M.S.<sup>2</sup>; (1)College of Pharmacy, Sookmyung Women's University, Seoul, Republic of Korea; (2)Department of Pharmacy, Gang Neung Asan Hospital, Seoul

202. Effect of nursing education and electronic medical record support on the appropriateness of vancomycin trough timing.

*Steven Smoke, Pharm.D., BCPS*,<sup>1</sup> Ruben Patel, Pharm.D.,<sup>2</sup> Sandy Moreau, Pharm.D., BCPS,<sup>3</sup> Maria Devivo, Pharm.D., MPA, BCPS, BCACP<sup>1</sup>; (1)Pharmacy Department, Jersey City Medical Center, Jersey City, NJ; (2)Pharmacy Department, Clara Maass Medical Center, Belleville, NJ; (3)Department of Pharmacy Practice and Administration, Ernest Mario School of Pharmacy, Rutgers, the State University of New Jersey, Piscataway, NJ

204. Frequency of toxicity monitoring in ambulatory patients on amiodarone and dofetilide.

*Joshua Rickard, Pharm.D., BCPS*,<sup>1</sup> Jenna Negrelli, Pharm.D., BCPS,<sup>2</sup> Jeffry Olson, Pharm.D., BCPS,<sup>1</sup> Travis Dick, Pharm.D., MBA, BCPS<sup>3</sup>; (1)Intermountain Healthcare, Midvale, UT; (2)Intermountain Medical Center; (3)University of Rochester Medical Center

205. Implementation of pharmacist-managed medication review and reconciliation service in orthopaedic wards in Queen Elizabeth Hospital.

*May Chung Yuet Yu, B. Pharm., MCLinPharm*, Wilson Yun Shing Leung, BPharm, Ph.D., BCPS, Kenneth Wing Fai Chung, BPharm, MCLinPharm, BCPS, Carmen Ka Man Kei, BPharm, M. Clin. Pharm.; Department of Pharmacy, Queen Elizabeth Hospital, Hong Kong

206. Identifying targets for quality improvement in the electronic prescribing process to reduce the burden of pharmacist phone calls to prescribers.

*Anzeela Schentrup, Pharm.D., Ph.D.*,<sup>1</sup> Omjoy Ganesh, Ph.D., Pharm.D.,<sup>2</sup> Angela Boyd, Pharm.D.,<sup>3</sup> Jessica Gonzalez, Pharm.D.,<sup>1</sup> Marvin Dewar, M.D., J.D.<sup>4</sup>; (1)Department of Pharmacotherapy and Translational Research, University of Florida, Gainesville, FL; (2)Clinical Risk Management, UF Health at Shands Hospital, Gainesville, FL; (3)University of Florida, Gainesville, FL; (4)College of Medicine, University of Florida, Gainesville

## Oncology

215E. Retrospective analysis of probiotic effectiveness in acute myeloid leukemia and transplant patients receiving chemotherapy.

*Daniel Przybylski, Pharm.D.* Student, David Reeves, Pharm.D.; College of Pharmacy and Health Sciences, Butler University, Indianapolis, IN

## Pediatrics

225. A retrospective review of the effectiveness of first-dose therapeutic drug monitoring of gentamicin in the pediatric population.

*Wen Bing Brandon Chua, BScPharm (Hon),<sup>1</sup> Wan Xuan Selina Lim, BScPharm (Hon),<sup>2</sup> Bao Hui Poh, BScPharm (Hon);* (1)Department of Pharmacy, KK Women's and Children's Hospital, Singapore; (2) Department of Pharmacy, KK Women's and Children's Hospital, Singapore

226. Impact of adherence to an oral morphine dosing protocol for treatment of neonatal abstinence syndrome on length of stay.

*Sapna Bhambhani, Pharm.D.;* Pharmacy, Saint Peters University Hospital, New Brunswick, NJ

228. Excretion of hydroxychloroquine in milk of lactating patients.

*Rongji Liu, M.S.,<sup>1</sup> Lejia Zhang, M.S.,<sup>2</sup> Dan Mei, BSPharm,<sup>1</sup> Xiaoli Du, M.S.;* (1)Department of Pharmaceutical Services, Peking Union Medical College Hospital, Beijing, China; (2)Department of Pediatrics, Peking Union Medical College Hospital, Beijing, China

230. Comparison of different methods for pediatric meningitis dosing alert creation.

*Jeremy Stultz, Pharm.D.,<sup>1</sup> Perry Taylor, Pharm.D.,<sup>2</sup> Sean McKenna, M.D.;* (1)School of Pharmacy, Department of Pharmacotherapy and Outcomes Science, Virginia Commonwealth University, Richmond, VA; (2)Department of Pharmacy, Virginia Commonwealth University Health System, Richmond, VA; (3)General Pediatrics, Virginia Commonwealth University Medical Center and Children's Hospital of Richmond, Richmond, VA

## Pharmacoeconomics/Outcomes

238. Diabetes-related costs in relation to glycemia and comorbidities.

*Melanie Siaw, BScPharm, Joyce Lee, Pharm.D., BCPS, BCACP;* Department of Pharmacy, Faculty of Science, National University of Singapore, Singapore

239. The association of benzodiazepine use with smoking cessation among hospitalized smokers in a clinical trial.

*Austin Wilson, M.S., BSPS, Pharm.D. Candidate 2017, Edward Ellerbeck, M.D., MPH, Niaman Nazir, M.D., MPH, Babalola Faseru, M.D., MPH, Taneisha Scheuermann, Ph.D., Kimber Richter, Ph.D., MPH;* University of Kansas Medical Center

240. Adherence and persistence with cyclosporine ophthalmic emulsion for treatment of dry eye disease in a large US healthcare system.

*Debra A. Schaumberg, ScD, OD, MPH,<sup>1</sup> John Bradley, OD, Ph.D.,<sup>2</sup> Annie Guérin, M.S.,<sup>3</sup> Irina Pivneva, Ph.D.,<sup>3</sup> Amber Evans, MPH,<sup>4</sup> Ipek Özer Stillman, M.S.,<sup>5</sup> Reza Dana, M.D., MPH, M.Sc.<sup>6</sup>;* (1)Ophthalmics, Shire, Lexington, MA; (2)Naval Medical Research Unit Dayton, OH; (3)Analysis Group, Inc., Montreal, QC, Canada; (4)Health ResearchTx LLC, Treviso, PA; (5)Global HEOR & Epidemiology, Shire, Lexington, MA; (6)Massachusetts Eye and Ear, Boston, MA

241. Cost avoidance based on pharmacist interventions documented in a medical intensive care unit over a three-month period.

*Heather Flowers, B.S.,<sup>1</sup> Jacob Painter, Pharm.D., Ph.D., MBA,<sup>2</sup> Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP<sup>3</sup>;* (1)University of Arkansas for Medical Sciences College of Pharmacy; (2)Division of

Pharmaceutical Evaluation and Policy, University of Arkansas for Medical Sciences, Little Rock, AR; (3) Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR

### Pharmacoepidemiology

242. Effect of medication adherence on health outcomes in patients with heart failure in a health information exchange.

*Michael Murray, Pharm.D., MPH,<sup>1</sup> Gwen Seamon, B.A.,<sup>2</sup> George Eckert, M.A.,<sup>3</sup> Katie Lane, M.S.,<sup>3</sup> Wanzhu Tu, Ph.D.<sup>4</sup>;* (1)Purdue University College of Pharmacy, Purdue University and Regenstrief Institute, Indianapolis, IN; (2)College of Pharmacy, Purdue University, West Lafayette, IN; (3) Department of Biostatistics, Indiana University, Indianapolis, IN; (4)Department of Biostatistics, Indiana University and Regenstrief Institute, Indianapolis, IN

### Pharmacogenomics/Pharmacogenetics

243. HLA-KIR interactions in heparin-induced thrombocytopenia.

*Jason Karnes, Pharm.D., Ph.D.,<sup>1</sup> Elizabeth Phillips, M.D.,<sup>2</sup> Christian Shaffer, B.S.,<sup>2</sup> Joshua Denny, M.D.,<sup>2</sup> Jonathan Mosley, M.D., Ph.D.,<sup>2</sup> Dan Roden, M.D.<sup>2</sup>;* (1)Department of Pharmacy Practice and Science, University of Arizona, Tucson, AZ; (2)Department of Medicine, Vanderbilt University, Nashville, TN

244. Identifying novel genetic predictors associated with heart rate response to beta-blockers.

*Mohamed Shahin, Ph.D.,<sup>1</sup> Daniela Conrado, Ph.D.,<sup>2</sup> Daniel Gonzalez, Pharm.D., Ph.D.,<sup>3</sup> Yan Gong, Ph.D.,<sup>1</sup> Maximilian Lobmeyer, Ph.D.,<sup>1</sup> Amber Beitelshes, Pharm.D., MPH,<sup>4</sup> Rhonda Cooper-DeHoff, Pharm.D., M.S.,<sup>1</sup> Eric Boerwinkle, Ph.D.,<sup>5</sup> Stephen Turner, M.D.,<sup>6</sup> Arlene Chapman, M.D.,<sup>7</sup> John Gums, Pharm.D.,<sup>1</sup> Julie Johnson, Pharm.D., BCPS, FCCP, FAHA<sup>1</sup>;* (1)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL; (2)Department of Pharmaceutics, College of Pharmacy, University of Florida, Gainesville, FL; (3) Division of Pharmacotherapy and Experimental Therapeutics, UNC Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (4)Department of Medicine, University of Maryland, Baltimore, MD; (5)Human Genetics Center and Institute of Molecular Medicine, University of Texas Health Science Center, Houston, TX; (6)College of Medicine, Mayo Clinic, Rochester, MN; (7) Department of Medicine, University of Chicago, Chicago, IL

245. ABCB1 gene variation effects on the early-phase oral absorption of losartan.

*Choong-Min Lee, B.S., Ji-Yeong Byeon, Ph.D. Candidate, Young-Hoon Kim, Ph.D. Candidate, Se-Hyung Kim, Ph.D. Candidate, Seok-Yong Lee, Ph.D.;* School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

246. Assessment of patient perceptions of genomic testing to inform pharmacogenomic implementation.

*Yee Ming Lee, Pharm.D.,<sup>1</sup> Ryan McKillip, B.S.,<sup>2</sup> Catherine Klammer, B.S.,<sup>1</sup> Brittany Borden, M.A.,<sup>1</sup> Mark Ratain, M.D.,<sup>3</sup> Peter O'Donnell, M.D.<sup>3</sup>;* (1)Center for Personalized Therapeutics, University of Chicago, Chicago, IL; (2)University of Chicago Pritzker School of Medicine, Chicago, IL; (3)Center for Personalized Therapeutics, Department of Medicine, Committee on Clinical Pharmacology and Pharmacogenomics, University of Chicago Medicine, Chicago, IL

### Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

252. Evaluating the appropriateness and clinical outcomes of antibiotics therapeutic drug monitoring service at a tertiary care hospital in Qatar.

*Ahmed Awaisu, Ph.D.,<sup>1</sup> Fatima Al-Sulaiti, M.Sc.,<sup>2</sup> Nadir Kheir, Ph.D.,<sup>1</sup> Ahmed Elzubair, M.Sc.<sup>3</sup>;* (1)Clinical Pharmacy and Practice Section, College of Pharmacy, Qatar University, Doha, Qatar; (2)College of Pharmacy, Qatar University, Doha, Qatar; (3)Al-Khor Hospital, Hamad Medical Corporation, Al-Khor, Qatar



253. Cardiovascular and stimulant effects of caffeine given orally (energy drink) or inspired (AeroShot).

Steven Laizure, Pharm.D., Kembral Nelson, B.A., Feng Chen, Ph.D., Robert Parker, Pharm.D.; Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN

255. Co-administration of cyclosporine (CsA) increases plasma brincidofovir (BCV) exposure in healthy volunteers.

Mary Wire, Pharm.D., Margaret Anderson, B.S., Thangam Arumugham, Ph.D., Marion Morrison, M.D., John Dunn, Ph.D., Odin Naderer, Pharm.D.; Chimerix, Durham, NC

## Psychiatry

262. Antagonistic psychotropic polypharmacy: concomitant sedative and stimulant prescriptions.

Stephanie Nichols, Pharm.D., BCPS, BCPP;<sup>1</sup> Kenneth McCall, Pharm.D., CGP;<sup>2</sup> Nicolette Centanni, Pharm.D., BCPS, CGP;<sup>3</sup> Min Jung Clare Ki, Pharm.D. Candidate 2017;<sup>1</sup> Dale Stewart, Pharm.D.,<sup>1</sup> Brian Piper, Ph.D.<sup>4</sup>; (1)School of Pharmacy, Husson University, Bangor, ME; (2)Department of Pharmacy Practice, College of Pharmacy, University of New England, Portland, ME; (3)Department of Pharmacy, Maine Medical Center, Portland, ME; (4)Department of Basic Sciences, Commonwealth Medical College, Scranton, PA

264. Effect of discharge antipsychotics on future substance-related readmission in patients with concurrent schizophrenia and substance abuse.

Donna Phan, Pharm.D. Candidate,<sup>1</sup> Lisa Pham, Pharm.D. Candidate,<sup>1</sup> Amy Huang, Pharm.D. Candidate,<sup>1</sup> Mark Richman, M.D.,<sup>2</sup> Patrick Chan, Pharm.D., Ph.D.<sup>3</sup>; (1)Western University of Health Sciences College of Pharmacy; (2)Long Island Jewish Medical Center, New Hyde Park, NY; (3) Department of Pharmacy Practice and Administration, Western University of Health Sciences, Pomona, CA

265. The prevalence and management of vitamin D insufficiency and deficiency in veterans admitted to an acute inpatient psychiatric unit.

Caitlin Dirvonas, Pharm.D., Jennifer L. Easterling, Pharm.D., Jennifer R. Bean, Pharm.D., BCPP, BCPS; Veterans Affairs Tennessee Valley Healthcare System, Murfreesboro, TN

266. Metabolic monitoring for patients on second-generation antipsychotics using electronic notifications as a reminder system for providers.

Stephanie Parker, Pharm.D., Rachel Henderson, Pharm.D., Traci Dutton, Pharm.D., BCPP, BCPS, R. Jill Pate, M.D., Jennifer R. Bean, Pharm.D., BCPP, BCPS; Veterans Affairs Tennessee Valley Healthcare System, Murfreesboro, TN

## Transplant/Immunology

277. Evaluation of clinical outcomes based on the early achievement of tacrolimus target trough levels in kidney recipients receiving rabbit antithymocyte globulin induction.

Cassandra Dees, Pharm.D.,<sup>1</sup> Heather Snyder, Pharm.D., BCPS,<sup>2</sup> Amy Krauss, Pharm.D., BCPS,<sup>2</sup> Sami Sakaan, Pharm.D., BCPS,<sup>2</sup> Benjamin T. Duhart Jr, M.S., Pharm.D.<sup>3</sup>; (1)Department of Clinical Pharmacy, Methodist University Hospital/University of Tennessee College of Pharmacy, Memphis, TN; (2) Department of Pharmacy, Methodist Le Bonheur Healthcare, Memphis, TN; (3)Department of Clinical Pharmacy, University of Tennessee College of Pharmacy, Memphis, TN

278. Does one size fit all? Outcomes in obese vs. non-obese kidney transplant patients under basiliximab induction immunosuppression.

Jamie Benken, Pharm.D., BCPS, Clare Kane, Pharm.D.; Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL

280. Efficacy of high-dose acyclovir for the prophylaxis of cytomegalovirus disease in a moderate risk abdominal solid organ transplant population not receiving lymphocyte-depleting induction. Erin McCreary, Pharm.D., Margaret Jorgenson, Pharm.D., BCPS, Jillian Descourouez, Pharm.D., BCPS, FAST, Glen Leverson, Ph.D., Jeannina Smith, M.D.; University of Wisconsin Hospitals and Clinics (UW Health), Madison, WI

284. Obese kidney donors: the impact of opioid-minimization using ketorolac-based pain management protocol following robotically assisted, laparoscopic living donor nephrectomy. Benito Valdepenas, B.S.,<sup>1</sup> Amin Virani, B.S.,<sup>1</sup> Maya Campara, Pharm.D., BCPS<sup>2</sup>; (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL

285. Risk scoring system for predicting the risk of new-onset diabetes after transplantation in the renal allograft recipients.

Eunjoo Choi, BSPHarm, BCOP<sup>1</sup> Youngil Chang, M.S., Pharm.D.,<sup>2</sup> Tariq Shah, M.D.,<sup>3</sup> David Min, Pharm.D.,<sup>4</sup> Jaewook Yang, Pharm.D., Ph.D., BCPS<sup>5</sup>; (1)Sahmyook University, Seoul, Republic of Korea; (2)Mendez National Institute of Transplantation Foundation, Mendez National Institute of Transplantation Foundation, Los Angeles, CA; (3)Multi-Organ Transplant Center, St Vincent Medical Center, Los Angeles, CA; (4)Western University of Health Sciences, College of Pharmacy and National Institute of Transplantation, Los Angeles, CO; (5)School of Pharmacy, Sahmyook University, Seoul, Republic of Korea

## Urology

286E. Comparative effectiveness of anticholinergic agents for overactive bladder in U.S. veterans. Ali Goodson, Pharm.D.,<sup>1</sup> Matthew Cantrell, Pharm.D., BCPS,<sup>2</sup> Brian Lund, Pharm.D., M.S.,<sup>3</sup> Robert Shaw, Pharm.D., MPH, BCPS, BCNSP<sup>3</sup>; (1)Pharmacy Department, Iowa City VA Health Care System, Iowa City, IA; (2)Iowa City Veterans Affairs Health Care System, Iowa City, IA; (3)Iowa City Veterans Affairs Healthcare System

## Women's Health

287. The Women's Health PRN members and accomplishments.

Kassandra Bartelme, Pharm.D., BCACP<sup>1</sup> Nicole Lodise, Pharm.D., TTS,<sup>2</sup> Sally Rafie, Pharm.D.,<sup>3</sup> Kayce Shealy, Pharm.D., BCPS, BCACP,<sup>4</sup> Rebecca Stone, Pharm.D.,<sup>5</sup> Veronica Vernon, Pharm.D., BCPS, BCACP, NCMP<sup>6</sup>; (1)Concordia University Wisconsin School of Pharmacy, Mequon, WI; (2)Albany College of Pharmacy and Health Sciences, Albany, NY; (3)University of California, San Diego, San Diego, CA; (4)Presbyterian College School of Pharmacy, Clinton, SC; (5)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (6)Richard L. Roudebush Veterans Affairs Medical Center, Indianapolis, IN

288. Inhaler technique in obstetric patients after pharmacist intervention.

Alicia B. Forinash, Pharm.D., FCCP, BCPS, BCACP<sup>1</sup> Philip J. Wenger, Pharm.D., BCPS,<sup>2</sup> Megan Bergstrom, Pharm.D., BCACP<sup>3</sup>; (1)St. Louis College of Pharmacy, St. Louis, MO; (2)St. Louis College of Pharmacy, Saint Louis, MO; (3)Boston Medical Center, Boston, MA

## ADVANCES IN INTERNATIONAL CLINICAL PHARMACY PRACTICE, EDUCATION, OR TRAINING

### Cardiovascular

289E. Observational study on medication errors in coronary care unit.

Mohammed Adel, BSPHarm, Pharm.D., Islam Abdo, BSPHarm, Clinical Pharmacy Diploma, Fatma Ibrahim, BSPHarm, Clinical Pharmacy Diploma; Pharmacy Department/ Clinical Pharmacy Division, Al-Ahrar Zagazig Teaching Hospital, Zagazig, Egypt

## Community Pharmacy Practice

290. The development and outcomes study of pharmaceutical care service model for community pharmacies in Korea.

Hyun-Taek Shin, Pharm.D.,<sup>1</sup> In-Chul Shin, Pharm.D., Ph.D. Candidate,<sup>1</sup> So-Youn Park, Ph.D. Candidate,<sup>1</sup> Hee-Doo Kim, Ph.D.,<sup>1</sup> Ock-Hee Oh, Ph.D. Candidate,<sup>2</sup> Kyung-Eob Choi, Pharm.D.,<sup>2</sup> Yong-Sook Lee, Pharm.D.,<sup>3</sup> Bong-Kyu Yoo, Pharm.D., Ph.D.<sup>4</sup>; (1)College of Pharmacy, Sookmyung Women's University, Seoul, Republic of Korea; (2)College of Pharmacy, Cha University, Republic of Korea; (3)College of Pharmacy, Keimyung University, Republic of Korea; (4)College of Pharmacy, Gachon University, Republic of Korea

## Critical Care

291. Role of clinical pharmacist inside operation rooms in pediatric oncology setting.

Ibrahim Abdo, BCPS,<sup>1</sup> Sherif Kamal, M.Sc.,<sup>2</sup> Sara Mohamed, B.Sc.,<sup>3</sup> Magda Azer, Ph.D.,<sup>4</sup> Alaa Younes, Ph.D.<sup>4</sup>; (1)Children Cancer Hospital-Egypt 57357 CCHE, Cairo, Egypt; (2)Children Cancer Hospital Egypt 57357, Cairo, Egypt; (3)Children Cancer Hospital-Egypt 57357; (4)Children Cancer Hospital-Egypt 57357 (CCHE)

## Geriatrics

302E. Implementation of ward-based pharmacist medication review in high risk geriatric patients. Observational study of drug-related problems.

Kit Yee Chu, BPharm (Hon), MCP, BCPS,<sup>1</sup> Ying Ho Yuen, BPharm (Hon), MSc(Clin Pharm),<sup>1</sup> Wilson Yun Shing Leung, BPharm, Ph.D., BCPS,<sup>1</sup> Ying Fai Mak, MBBS(HK), MRCP(UK), FRCP(Edin), FHKCP, FHKAM(Medicine), PG Dip Pall Med (Cardiff); (1)Department of Pharmacy, Queen Elizabeth Hospital, Hong Kong; (2)Division of Geriatrics, Department of Medicine, Queen Elizabeth Hospital, Hong Kong

## Oncology

303. The clinical pharmacist's role in clinical research: impact of oncology pharmacist on protocol deviation in anti-cancer drug clinical trial and patient care as well as administration of investigational drug.

Mingxia Wang, Ph.D.; Department of Clinical Pharmacy, Fourth Hospital of Hebei Medical University, Shijiazhuang, China

## Other

304. Pharmacist clinical service in an orthopedic rehabilitation ward in Hong Kong.

Yu Yeung Wong, BPharm, MCP,<sup>1</sup> Pauline Chu, MPharm, MRPharmS<sup>2</sup>; (1)Pharmacy Department/Department of Orthopedics, Tuen Mun Hospital, Hong Kong, Hong Kong; (2)Department of Pharmacy, Tuen Mun Hospital, Hong Kong

305. Using "Google Form" as a documentation tool for clinical pharmacy services in a public hospital in Alexandria, Egypt.

Nahla Kandil, BPSc, M.Sc., BCPS; 431 Horreya Street, Roushdy, Ras El Teen, Alexandria, Egypt

## CASE REPORTS

### ADR/Drug Interactions

463. Hypoglycemia resulting from delayed subcutaneous insulin absorption following substantial diuresis in a patient with a left ventricular assist device.

Christopher Paciullo, Pharm.D., BCCCP, FCCM,<sup>1</sup> Lyndsay Head, M.D.,<sup>2</sup> Elrond Teo, M.D.,<sup>2</sup> (1)Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA; (2)Emory University School of Medicine

465. Proton pump inhibitor-induced hypomagnesemia in a U.S. veteran: case report and population study.

*Jonathan Hughes, Pharm.D.,<sup>1</sup> Daniel Neu, Pharm.D. Candidate,<sup>2</sup> Brian Christman, M.D.,<sup>1</sup> M. Shawn McFarland, Pharm.D.<sup>1</sup>; (1)VA Tennessee Valley Healthcare System, Nashville, TN; (2)University of Tennessee College of Pharmacy, Memphis, TN*

### **Ambulatory Care**

467. Case report: nebivolol use in a patient with the Raynaud phenomenon and previous ST-elevated myocardial infarction.

*Jason Zupec, Pharm.D., Jennifer Smith, Pharm.D.; University of the Sciences Philadelphia College of Pharmacy*

### **Cardiovascular**

468. A case report of intravenous treprostinil conversion to oral selexipag in a patient with functional class IV chronic thromboembolic pulmonary hypertension (CTEPH).

*Kristina Thurber, Pharm.D.,<sup>1</sup> Breann Williams, Pharm.D.,<sup>2</sup> Ruth Bates, M.D.,<sup>2</sup> Robert Frantz, M.D.<sup>2</sup>; (1)Pharmacy Services, Mayo Clinic Hospital - Rochester, Rochester, MN; (2)Mayo Clinic Hospital - Rochester*

## **CLINICAL PHARMACY FORUM**

### **Ambulatory Care**

308. Student pharmacist post-hospital discharge telephone medication reconciliation service in a primary care clinic.

*Laura Challen, Pharm.D., MBA, BCPS, BCACP;<sup>1</sup> Stephanie Crist, Pharm.D., BCACP, CGP;<sup>2</sup> Christine Kelso, Pharm.D., BCPS, AE-C;<sup>3</sup> Heather Pautler, Pharm.D., BCPS;<sup>4</sup> Paul Stranges, Pharm.D., BCPS, BCACP;<sup>5</sup> (1) Department of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, MO; (2)St. Louis College of Pharmacy; (3)Barnes-Jewish Hospital; (4)Department of Pharmacy, Barnes-Jewish Hospital; (5) University of Illinois at Chicago*

309. Implementation of an anticoagulation clinic utilizing clinic video telehealth (CVT) technology at a community based outpatient clinic.

*Ashley Kelley, Pharm.D., BCPS, Amanda Sturges, Pharm.D.; Lebanon VA Medical Center, Lebanon, PA*

310. 2016 Updates on the accomplishments and initiatives of the ACCP Ambulatory Care Practice and Research Network (PRN).

*James Lee, Pharm.D., BCACP;<sup>1</sup> Sweta Patel, Pharm.D., BCPS;<sup>2</sup> Lydia Newsom, Pharm.D., BCPS;<sup>2</sup> Jennifer Carrillo, Pharm.D., BCACP;<sup>3</sup> (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2) Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (3)University of Florida Health Jacksonville, Jacksonville, FL*

311. Developing and refining residency orientation to facilitate pharmacist-physician collaboration in a family medicine residency program.

*Ann Yapel, Pharm.D.,<sup>1</sup> Danielle Macdonald, Pharm.D.,<sup>2</sup> Keri Hager, Pharm.D.<sup>3</sup>; (1)Essentia Health Ambulatory Pharmacy Services, Essentia Health, Duluth, MN; (2)Essentia Health Ambulatory Pharmacy Services, Essentia Health, Duluth, MN; (3)Department of Pharmacy Practice and Pharmaceutical Sciences, University of Minnesota College of Pharmacy, Duluth, MN*

312. Development of disease-specific self-management kits for at-home use: a report from the ACO Research Network, Services and Education (ACORN SEED).

*My-Oanh Nguyen, Pharm.D. Candidate 2017;<sup>1</sup> Leah Loeffler, Pharm.D., BCPS;<sup>1</sup> Tina Joseph, Pharm.D., BCACP;<sup>1</sup> Genevieve Hale, Pharm.D., BCPS;<sup>2</sup> Renee Jones, Pharm.D., CPh;<sup>1</sup> Stephanie Gernant, Pharm.D.,*

M.S.,<sup>1</sup> Matthew Seamon, Pharm.D., J.D.<sup>1</sup>; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL; (2)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Palm Beach Gardens, FL

313. Integration of clinical pharmacy in a chronic care management team within an accountable care organization (ACO): a report from the ACO Research Network, Services and Education (ACORN SEED).

*Tina Joseph, Pharm.D., BCACP*,<sup>1</sup> Genevieve Hale, Pharm.D., BCPS,<sup>2</sup> Renee Jones, Pharm.D., CPh,<sup>1</sup> Stephanie Gernant, Pharm.D., M.S.,<sup>1</sup> Matthew Seamon, Pharm.D., J.D.<sup>1</sup>; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL; (2)College of Pharmacy, Nova Southeastern University, Palm Beach Gardens, FL

314. Reducing anticoagulation-related hospitalizations and emergency room visits through implementation of a pharmacist-nurse managed anticoagulation management service in a rural integrated health care network.

*Amanda Winans, Pharm.D.*,<sup>1</sup> Kelly Rudd, Pharm.D.,<sup>2</sup> John Heney, RN<sup>3</sup>; (1)Bassett Medical Center, Cooperstown, NY; (2)Department of Pharmacy, Bassett Medical Center, Cooperstown, NY; (3) Anticoagulation Management Services, Bassett Healthcare

315. Collaborative care model with clinical pharmacist care manager for depression remission optimization in primary care.

*Lauren J. Heath, Pharm.D.*,<sup>1</sup> Danielle Loeb, M.D., MPH,<sup>2</sup> Isabella Dai, Student,<sup>3</sup> Rachel Griffin, NP,<sup>2</sup> Sarah J. Billups, Pharm.D.,<sup>1</sup> Katy E. Trinkley, Pharm.D.<sup>1</sup>; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; (2)University of Colorado School of Medicine; (3)Purdue University College of Pharmacy

316. Pharm to farm: on-site farmstead medication management to improve the health and medication safety of farmers.

*Kelly Cochran, Pharm.D., BCPS*; Division of Pharmacy Practice & Administration, University of Missouri-Kansas City School of Pharmacy at MU, Columbia, MO

## Endocrinology

330. Inpatient diabetes management team – clinical pharmacist-led, interdisciplinary team.

*Anees Kanorwala, Pharm.D., BCPS, BC-ADM*, Phil Ayers, Pharm.D., BCNSP, FASHP, Andrew Mays, Pharm.D., Tripp Dixon, Pharm.D., Christina York, Pharm.D., BCPS, Matthew Chambers, Pharm.D., BCNSP; Mississippi Baptist Medical Center, Jackson, MS

## Family Medicine

331. A population health intervention by PGY2 pharmacy residents to optimize medication management in patients with atherosclerotic cardiovascular disease (ASCVD).

*Michael Kelly, Pharm.D.*,<sup>1</sup> Jessica L. Norman, Pharm.D.,<sup>1</sup> Alvin Oung, Pharm.D.,<sup>1</sup> Sara Wettergreen, Pharm.D.,<sup>1</sup> Joseph J. Saseen, Pharm.D.,<sup>2</sup> Joseph Vande Griend, Pharm.D.<sup>3</sup>; (1)University of Colorado Anschutz Medical Campus; (2)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (3)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

## Nutrition

340. Creation and implementation of an interdisciplinary parenteral nutrition dosing service in a community hospital.

*Amanda Hembree, Pharm.D., BCPS*,<sup>1</sup> Laura Brunson, RD/LD, CNSC<sup>2</sup>; (1)Department of Pharmacy, Saint Francis Hospital, Tulsa, OK; (2)Department of Nutrition, Saint Francis Hospital, Tulsa, OK

## Other

341. Why your OR needs YOU - stories from our journey with integrating clinical pharmacy into perioperative services.

Sara Jordan, Pharm.D., BCPS, *Brian Kramer, Pharm.D.*, Elise Weyrauch, Pharm.D., BCPS, Adam Trimble, Pharm.D., Lauren Wood, Pharm.D.; Grant Medical Center (OhioHealth)

## Pain Management/Analgesia

342. A novel, validated smart phone application to quantify opioid overdose probability for justification of in-home naloxone.

*Jeffrey Fudin, B.S., Pharm.D., FCCP, FASHP*,<sup>1</sup> Mena Raouf, Pharm.D.,<sup>2</sup> Nadia Shahzad, Pharm.D.,<sup>3</sup> Nicholas Jarrett, B.S., M.A., M.S., Ph.D.,<sup>3</sup> Erica Wegrzyn, B.A., B.S., Pharm.D.,<sup>4</sup>; (1)Stratton Veteran Affairs Medical Center; (2)VA Tennessee Valley Healthcare System, Nashville, TN; (3)Remitigate, LLC; (4) Department of Pharmacy (119), Stratton VA Medical Center, Albany, NY

## SYSTEMATIC REVIEWS/META-ANALYSIS

### Infectious Diseases

491. Antimicrobial treatment of preoperative asymptomatic bacteriuria prior to orthopedic arthroplasty and postoperative infectious complications: a systematic review.

*Ryan Dull, Pharm.D.*,<sup>1</sup> Kailin Crowley, Pharm.D.,<sup>2</sup> Carmen Frerichs, Pharm.D.,<sup>2</sup> Kim Pham, Pharm.D.,<sup>2</sup> Allyson Cord, Pharm.D.;<sup>2</sup> (1)Department of Pharmacy Practice, Creighton University School of Pharmacy and Health Professions, Omaha, NE; (2)Creighton University

492. Fecal microbiota transplantation for the treatment of recurrent *Clostridium difficile* infection.

*Jennifer Mijares, Pharm.D.*, Patricia Gonzalez-Abreu, Pharm.D., Shara Parrish, Pharm.D., Kristina Contreras, Pharm.D.; Gregory School of Pharmacy, Palm Beach Atlantic, West Palm Beach, FL

493. Simeprevir for the treatment of chronic hepatitis C infection: a systematic review.

*Andrea Mezentesf, Pharm.D. Candidate*, Mara Poulakos, Pharm.D.; Palm Beach Atlantic University, Lloyd L. Gregory School of Pharmacy, West Palm Beach, FL

### Nephrology

494. Prevalence of vitamin D inadequacy in chronic kidney disease and patients on dialysis: a systematic review and meta-analysis.

*Rajiv Ahlawat, MPharm, RPh*,<sup>1</sup> Pramit Tiwari, Ph.D.,<sup>2</sup> Sanjay D'Cruz, M.D., DNB, DM, MAMS, FSN,<sup>3</sup> Ruchi Singhal, MPharm;<sup>4</sup> (1)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & Research (NIPER), S.A.S. NAGAR, Punjab 160062, India; (2)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & Research (NIPER), S.A.S. Nagar, Punjab 160062, India; (3)Department of General Medicine, Government Medical College & Hospital, Chandigarh 160 030, India; (4)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & research (NIPER), S.A.S. NAGAR, Punjab 160062, India

### Oncology

498. Clinical pharmacist impact in outpatient oncology practices: a systematic review.

*Justin Gatwood, Ph.D., MPH*,<sup>1</sup> Katie Gatwood, Pharm.D.,<sup>2</sup> Ezra Gabre, Pharm.D.,<sup>3</sup> Maurice Alexander, Pharm.D.;<sup>4</sup> (1)Clinical Pharmacy, University of Tennessee College of Pharmacy, Nashville, TN; (2) Pediatric Stem Cell Transplant, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN; (3) University of Tennessee College of Pharmacy, Memphis, TN; (4)Oncology, UNC Medical Center, Chapel Hill, NC

**Pediatrics**

499. Burden of invasive pneumococcal pneumonia among Indian children: a systematic review and meta-analysis of observational studies.

*Pramil Tiwari, Ph.D.*,<sup>1</sup> Rajiv Ahlawat, MPharm, RPh,<sup>2</sup> Ruchi Singhal, MPharm<sup>3</sup>; (1)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & Research (NIPER), S.A.S. Nagar, Punjab 160062, India; (2)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & Research (NIPER), S.A.S. NAGAR, Punjab 160062, India; (3)Department of Pharmacy Practice, National Institute of Pharmaceutical Education & Research (NIPER), S.A.S. NAGAR, Punjab 160062, India

**Pulmonary**

500. Selexipag in pulmonary arterial hypertension: a comprehensive review.

David Dakwa, B.A.; Palm Beach Atlantic University, West Palm Beach, FL



**TUESDAY 8:00 AM to 10:00 AM - Grand Ballroom - East & West**

		MeRIT	MeRIT	MeRIT		MeRIT	MeRIT	MeRIT		
	MeRIT	MeRIT	MeRIT	MeRIT		MeRIT	MeRIT	MeRIT	MeRIT	
503	474	MeRIT	MeRIT	MeRIT		MeRIT	MeRIT	MeRIT		
489	488	487	486	485		484	344	343	336	335
323	324	325	326	327		328	329	332	333	334
481	475	473	472	466		301	300	299	298	296
269	270	271	272	279		283	292	293	294	295
268	263E	261E	260	259		258	257	256	249	accp
224	accp	231	232E	233		234E	235	236	237	247
223	222	221	220	219		214E	213E	212E	199	197
181	183	185E	186	188E		191	192	195	505	196
178E	173	156E	149E	146E		accp	144	143	129	128
93E	94	103	104	105		118E	123	124E	126	127
92E	91	90	89	88		87	74	73E	71E	69E
20	21	44	45	46		47	51E	53	55	56
18	15	14	13	12		11	CRC	CRC	CRC	CRC
Entrance					Entrance					

CRC = 2016 Clinical Research Challenge Winners  
MeRIT = Mentored Research Investigator Training Projects



## Scientific Poster Presentations, IV

**Tuesday, October 25**

Grand Ballroom

8:00 a.m. – 10:00 a.m.

### MeRIT PRESENTATIONS

Participants in the 2015-16 Mentored Research Investigator Training (MeRIT) program will display posters of their completed research and participants in the 2016-17 program will present their proposed research projects. See the poster board map for the location of all MeRIT posters.

### ENCORE PRESENTATIONS

Abstracts marked with an "E" are Encore Presentations. Encore Presentations have been presented elsewhere or published in abstract form before the 2016 ACCP Annual Meeting.

### ORIGINAL RESEARCH

These papers describe quantitative or qualitative findings in basic, clinical, translational, dissemination/implementation, or educational research.

#### Adult Medicine

11. Refusal of venous thromboembolism prophylaxis and incidence of thrombosis in patients with cystic fibrosis.

*Taryn S. Murray, Pharm.D., BCPS*<sup>1</sup> Nicole L. Metzger, Pharm.D., BCPS<sup>2</sup>; (1)Emory University Hospital, Atlanta, GA; (2)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA

12. Heart rate control as a marker of beta-blocker efficacy in hospitalized heart failure patients.

*Ryan E. Owens, Pharm.D., BCPS*<sup>1</sup> Timothy Self, Pharm.D.,<sup>2</sup> Jennifer Twilla, Pharm.D., BCPS,<sup>3</sup> Carolyn Cummings, Pharm.D.,<sup>3</sup> Carrie S. Oliphant, Pharm.D., FCCP, BCPS-AQ Cardiology<sup>3</sup>; (1)Department of Pharmacy, University of Tennessee Health Science Center/Methodist University Hospital, Memphis, TN; (2)College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (3) Department of Pharmacy, Methodist University Hospital, Memphis, TN

13. Characterization of venous thromboembolism developed in an inpatient setting in adult medicine patients.

*Kara Piechowski, Pharm.D.*<sup>1</sup> Jon P. Wietholter, Pharm.D., BCPS<sup>2</sup>; (1)West Virginia University Medicine, Morgantown, WV; (2)Department of Clinical Pharmacy, West Virginia University School of Pharmacy, Morgantown, WV

14. An evaluation of acyclovir dosing in obesity.

*Jennifer Twilla, Pharm.D., BCPS*<sup>1</sup> Joyce Broyles, Pharm.D.,<sup>2</sup> Alicia Sanchez, Pharm.D.,<sup>3</sup> Christopher K. Finch, Pharm. D., BCPS, FCCM<sup>4</sup>; (1)Department of Pharmacy, Methodist University Hospital, Memphis, TN; (2)Methodist University Hospital; (3)University of Tennessee, College of Pharmacy; (4)University of Tennessee, College of Pharmacy, Memphis, TN

15. Impact of pharmacist-led medication reconciliation and discharge counseling on 30-day all-cause hospital readmissions in high-risk patients: a single-center study.

*Grace Shyh, Pharm.D.*<sup>1</sup> Daniel Crossman, M.D.,<sup>2</sup> Magalie Bruneus, M.D.,<sup>2</sup> Savira Kochhar, M.S.<sup>3</sup>; (1)Department of Pharmacy, New York-Presbyterian Hospital, New York, NY; (2)Department of Medicine, New York-Presbyterian Hospital, New York, NY; (3)Department of Medicine, Weill Cornell Medicine, New York, NY

### **Ambulatory Care**

18. Comparison of pharmacist to physician Medicare wellness services.

*Jeanna Sewell, Pharm.D.,<sup>1</sup> Daniel M. Riche, Pharm.D., FCCP, BCPS, CDE, ASH-CHC,<sup>2</sup> Scott Malinowski, Pharm.D.,<sup>1</sup> Joshua Fleming, Pharm.D., BCACP,<sup>3</sup> Richard Jackson, M.D.<sup>3</sup>*; (1)Department of Pharmacy Practice, University of Mississippi School of Pharmacy, Jackson, MS; (2)University of Mississippi School of Pharmacy, Jackson, MS; (3)Department of Medicine, University of Mississippi School of Medicine, Jackson, MS

20. A parallel-controlled study evaluating the clinical impact of an interprofessional transitions of care service in the primary care setting.

*Shelley Otsuka, Pharm.D.,<sup>1</sup> Jennifer Smith, Pharm.D.,<sup>2</sup> Radha Patel, Pharm.D., MPH, BCACP, CPH,<sup>3</sup> Laura Pontiggia, M.S., Ph.D.<sup>4</sup>*; (1)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, Philadelphia, PA; (2)University of the Sciences Philadelphia College of Pharmacy; (3) Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL; (4)Misher College of Arts and Sciences, University of the Sciences, PA

21. Weight gain predictors in a Latino population with diabetes.

*Marie Davies, Pharm.D., M.S.,<sup>1</sup> John Cheng, M.D.<sup>2</sup>*; (1)Western University of Health Sciences College of Pharmacy, Pomona, CA; (2)Harbor UCLA Family Health Center, Harbor City, CA

### **Cardiovascular**

44. Determination of optimal diuresis targets for patients in acute decompensated heart failure.

*Keith Chow, Pharm.D.,<sup>1</sup> Krystal Haase, Pharm.D., FCCP, BCPS,<sup>1</sup> Shelby Needham, Pharm.D. Candidate, Eric J. MacLaughlin, Pharm.D., FASHP, FCCP, BCPS<sup>1</sup>*; (1)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX

45. A comparison of the efficacy, safety, and costs of intravenous nitroprusside and nicardipine.

*Elizabeth Walker, Pharm.D.,<sup>1</sup> Matt Jones, Pharm.D.,<sup>1</sup> Mark Mlynarek, RPh,<sup>1</sup> Kaitlin Starosta, Pharm.D.,<sup>1</sup> Long To, Pharm.D.<sup>2</sup>*; (1)Pharmacy Department, Henry Ford Hospital, Detroit, MI; (2)Henry Ford Hospital, Detroit, MI

46. The impact of specialized clinical pharmacist counselling on medication adherence and ischemic heart disease symptoms in post-PCI patients.

*Mohd Shara, Pharm.D., Ph.D.,<sup>1</sup> Haneen Almoqbel, B.S., M.Sc.,<sup>2</sup> Mohamad Jarrah, M.D.<sup>3</sup>*; (1)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (2)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (3)Cardiology, Jordan University of Science and Technology, Irbid, Jordan

47. Factors associated with inadequate hypertension control in Jordan's population.

*Mohd Shara, Pharm.D., Ph.D.,<sup>1</sup> Samar Zayadeen, M.Sc.<sup>2</sup>*; (1)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (2)Clinical Pharmacy, Irbid, Jordan

### **Community Pharmacy Practice**

51E. Community pharmacists' perspective toward medical prescription clarity and content in Alexandria, Egypt.

*Omnia Abdelrahman, B.Sc., M.Sc.,<sup>1</sup> Salma Saber, B.Sc.,<sup>2</sup> Maha Abdul-Latif, BSc, BCPS, DB,<sup>3</sup> Nessler Elnimr, DrPH,<sup>4</sup> Aida Reda, DrPH,<sup>5</sup> Adel Abou Ali, Pharm.D., ScD, M.S.<sup>6</sup>*; (1)Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt; (2)Oncology Department, Alexandria University, Alexandria; (3)Faculty of Pharmacy, Alexandria University, Ministry of Health, Alexandria, Egypt; (4)Department of Epidemiology, High Institute of Public Health, Alexandria University, Alexandria; (5)Department of Epidemiology, High Institute of Public Health, Alexandria University, Alexandria; (6)Clinical Pharmacy Department, Faculty of Pharmacy, King Khalid University, Abha, Saudi Arabia

## Critical Care

53. Continuous infusion ketamine for analgo-sedation in mechanically ventilated adult critically ill patients.

*John J. Radosevich, Pharm.D., BCPS, BCCCP*<sup>1</sup> Christine Tafoya, Pharm.D.,<sup>2</sup> Summer Rhodes, Pharm.D. Candidate,<sup>1</sup> James Damilini, Pharm.D., M.S., BCPS,<sup>1</sup> Jeremy Feldman, M.D.,<sup>3</sup> Asad E. Patanwala, Pharm.D.,<sup>4</sup>; (1)St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ; (2)Banner-University Medical Center, Phoenix, AZ; (3)Arizona Pulmonary Specialists, Phoenix, AZ; (4)Pharmacy Practice and Science, University of Arizona College of Pharmacy, Tucson, AZ

55. Assessment of non-compliance with bundle therapy for the treatment of sepsis on the inpatient floor.

*Paige DeLuca, Pharm.D.,*<sup>1</sup> Shereef Ali, Pharm.D., BCPS,<sup>2</sup> Nikunj Vyas, Pharm.D.,<sup>3</sup> Anthony Fryckberg, Pharm.D., BCPS, BCCCP<sup>4</sup>; (1)Pharmacy, Kennedy University Hospitals, Turnersville, NJ; (2)Pharmacy, Kennedy Health, Cherry Hill, NJ; (3)Pharmacy, Kennedy University Hospitals, Stratford, NJ; (4) Department of Pharmacy, Kennedy University Hospitals, Sewell, NJ

56. Enhanced renal clearance and impact on vancomycin trough concentration in patients with hemorrhagic stroke.

*Kathryn Morbitzer, Pharm.D.,*<sup>1</sup> Dedrick Jordan, M.D.,<sup>2</sup> Kelly Sullivan, Pharm.D.,<sup>3</sup> Emily Durr, Pharm.D.,<sup>4</sup> Casey Olm-Shipman, M.D., M.S.,<sup>2</sup> Denise Rhoney, Pharm.D.; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)UNC School of Medicine; (3)UNC Hospitals Department of Pharmacy; (4)Department of Pharmacy, University of North Carolina Hospitals, Chapel Hill, NC

## Education/Training

69E. Assessment of pharmacy student didactic and clinical preparedness surrounding LGBT and mental illness patient populations.

*Mark A. Douglass, Pharm.D.,*<sup>1</sup> Kevin DeLeonardo, Pharm.D. Candidate,<sup>2</sup> Alyssa Long, Pharm.D. Candidate<sup>2</sup>; (1)Northeastern University Department of Pharmacy Practice/Boston Medical Center, Boston, MA; (2)School of Pharmacy, Northeastern University, Boston, MA

71E. Community education by advanced pharmacy practice experience students: increasing electronic cigarette awareness amongst teens.

*Amanda M. Morrill, Pharm.D.,*<sup>1</sup> Cheryl Abel, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy Practice, School of Pharmacy-Worcester/Manchester, MCPHS University, Manchester, NH; (2)Pharmacy Practice, Massachusetts College of Pharmacy and Health Sciences, Manchester, NH

73E. Interprofessional error disclosure training simulation for dental medicine, nursing, and pharmacy students.

*Therese Poirier, Pharm.D., MPH,*<sup>1</sup> Katie E. Ronald, Pharm.D.,<sup>2</sup> Miranda Wilhelm, Pharm.D.,<sup>1</sup> Ann Popkess, Ph.D.,<sup>3</sup> Toni Roucka, DDS, M.A.,<sup>4</sup> Chris Durbin, Ph.D., J.D.<sup>3</sup>; (1)School of Pharmacy, Southern Illinois University Edwardsville, Edwardsville, IL; (2)Southern Illinois University Edwardsville School of Pharmacy, Edwardsville, IL; (3)School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL; (4)School of Dental Medicine, Southern Illinois University Edwardsville, Alton, IL

74. Healthcare provider attitudes regarding student involvement during international healthcare experiences.

*Jon P. Wietholter, Pharm.D., BCPS,*<sup>1</sup> Beth Nardella, M.A., MFA,<sup>2</sup> Renier Coetzee, Pharm.D.<sup>3</sup>; (1) Department of Clinical Pharmacy, West Virginia University School of Pharmacy, Morgantown, WV; (2)West Virginia University, Morgantown, WV; (3)University of the Western Cape, Cape Town, South Africa

87. Pre- and post-adult medicine rotation assessment of pharmacy student learning.

*Scott Wilkie, Pharm.D.*; Pharmacy Department, Mission Hospital, Asheville, NC

88. Introduction of reflective learning in a cardiovascular therapeutics course.

*James D. Hoehns, Pharm.D., BCPS, FCCP*<sup>1</sup> Emily Beckett, Pharm.D., BCPS,<sup>2</sup> Lynn Rich, Student Pharmacist<sup>3</sup>; (1)University of Iowa College of Pharmacy and Northeast Iowa Family Practice Center, Waterloo, IA; (2)University of Iowa College of Pharmacy, Broadlawns Family Medicine Residency Program, Des Moines, IA; (3)University of Iowa College of Pharmacy

89. Comparison of critical care board certification examination domains and ASHP PGY2 critical care residency standards: a single institution's perspective.

*Ann Biesboer, Pharm.D.*<sup>1</sup> Kristin Bialkowski, Pharm.D.,<sup>2</sup> Cathyyen Dang, Pharm.D.,<sup>2</sup> Joel Feih, Pharm.D.,<sup>2</sup> Alison Glienke, Pharm.D.,<sup>2</sup> Kim Haldeman, Pharm.D.,<sup>2</sup> Susan Horsman, Pharm.D.,<sup>2</sup> Michael Katz, Pharm.D.,<sup>2</sup> Meghann Luc, Pharm.D.,<sup>2</sup> Sarah Peppard, Pharm.D.,<sup>1</sup> Matthew Stanton, Pharm.D.,<sup>2</sup> Gregory Stilin, RPh,<sup>2</sup> Joseph Rinka, Pharm.D.,<sup>3</sup> William Peppard, Pharm.D.; (1)Concordia University Wisconsin School of Pharmacy, Mequon, WI; (2)Froedtert and the Medical College of Wisconsin; (3)Concordia University Wisconsin School of Pharmacy

90. Assessment of pharmacy students' patient care skills for sequential case scenarios with a SOAP note grading rubric and standardized patient feedback.

*Justin J. Sherman, M.C.S., Pharm.D.*<sup>1</sup> Christa Johnson, Pharm.D.;<sup>2</sup> (1)School of Pharmacy, University of Mississippi School of Pharmacy, Jackson, MS; (2)Pharmacy Department, St. Dominic Hospital, Jackson, MS

91. Readiness for and perception of interprofessional education among second-year pharmacy students.

*Anne Marie Liles, Pharm.D., BCPS*<sup>1</sup> Anastasia Jenkins, Pharm.D.,<sup>1</sup> Kim Adcock, Pharm.D.,<sup>1</sup> Michael Warren, Pharm.D.,<sup>1</sup> Emmy Parkes, M.S., RDN, CDE,<sup>2</sup> Neeli Kirkendall, MSN, RN, FNP-C,<sup>3</sup> Eva Tatum, Ph.D., RN,<sup>3</sup> Lesley Thweatt, MSN, RN,<sup>3</sup> Robin Wilkerson, Ph.D., RN<sup>3</sup>; (1)University of Mississippi School of Pharmacy; (2)University of Mississippi School of Applied Sciences; (3)University of Mississippi Medical Center School of Nursing

92E. Assessment of pharmacy students' knowledge, attitude and perception of personalized medicine and emerging therapies curricular content.

*Alex Wei, Pharm.D.*<sup>1</sup> Mark A. Douglass, Pharm.D.;<sup>2</sup> (1)Northeastern University; (2)Northeastern University Department of Pharmacy Practice/Boston Medical Center, Boston, MA

93E. Adopting transitions of care within the doctor of pharmacy curriculum.

*My-Oanh Nguyen, Pharm.D. Candidate 2017*<sup>1</sup> David Leon, Pharm.D. Candidate,<sup>2</sup> Sara Eltaki, Pharm.D., BCPS,<sup>3</sup> Heather Jarvis, Pharm.D.,<sup>2</sup> Marlene Calix, Pharm.D.,<sup>2</sup> William Wolowich, Pharm.D.,<sup>4</sup> Devada Singh-Franco, Pharm.D., CDE<sup>1</sup>; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL; (2)College of Pharmacy, Nova Southeastern University, Davie, FL; (3)Department of Pharmacy Practice, College of Pharmacy, Nova Southeastern University, Davie, FL; (4)Nova Southeastern University

94. Peer recognition perceived as greatest actualized benefit of the AAHIVP credential.

*Milena M. McLaughlin, Pharm.D., M.Sc.*<sup>1</sup> Lori Gordon, Pharm.D.,<sup>2</sup> Thomas J. Kleyn, Pharm.D.,<sup>3</sup> James Scott, Pharm.D., MEd<sup>4</sup>; (1)Department of Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, IL; (2)Xavier University of Louisiana, New Orleans, LA; (3)Eskenazi Health, Indianapolis, IN; (4)Western University of Health Sciences, Pomona, CA

## Emergency Medicine

103. Treatment of cellulitis in patients discharged from the emergency room: appropriateness of single versus dual antimicrobial therapy.

*Henry Lederer, Pharm.D., Yelena Atlasevich, Pharm.D., Eva Sullivan, Pharm.D., Harminder Sikand, Pharm.D., FCSHP, FASHP, Department of Pharmacy, Scripps Mercy Hospital, San Diego, CA*

104. Evaluation of the impact of weight estimations on anticoagulation reversal with 4-factor prothrombin complex concentrate (4F-PCC) in the emergency department.

*Jennifer Vidal, Pharm.D.,<sup>1</sup> Gabrielle Procopio, Pharm.D.,<sup>2</sup> Brian Faley, Pharm.D.<sup>1</sup>; (1)Hackensack University Medical Center; (2)Ernest Mario School of Pharmacy, Rutgers, State University of New Jersey, Piscataway, NJ*

105. Evaluation of the efficacy and safety of nifedipine modified release tablets in the acute management of hypertensive urgency in the emergency department: a retrospective analysis.

*Adham Mohamed, Pharm.D., Hani Abdelaziz, Pharm.D., Hani Hamad, M.D., Ahmed Shible, BPharm, Sara Elhoshee, BPharm, Rasha Al Anany, Pharm.D., Muayad Ahmad, M.D.; Hamad Medical Corporation, Doha, Qatar*

## Gastroenterology

118E. Relative bioavailability, effect of food, and swallowability of a new, age-appropriate, delayed-release mesalamine formulation in healthy volunteers.

*Abhijeet Jakate, Ph.D.,<sup>1</sup> Brian McNamee, Ph.D.<sup>2</sup>; (1)Allergan plc, Jersey City, NJ; (2)Clinical Pharmacology, Allergan Biologics Limited, Liverpool, UK*

## Geriatrics

123. Haloperidol versus non-haloperidol antipsychotics for the management of delirium in an inpatient geriatric palliative care population.

*Maria Felton, Pharm.D.,<sup>1</sup> Jennie Jarrett, Pharm.D., BCPS, MMedEd,<sup>2</sup> Richard Hoffmaster, M.D.,<sup>3</sup> Heather Sakely, Pharm.D., BCPS,<sup>4</sup> Frank D'Amico, Ph.D.,<sup>5</sup> Jennifer Pruskowski, Pharm.D., BCPS, CGP, CPE®; (1) Department of Medical Education, UPMC St. Margaret, Pittsburgh, PA; (2)UPMC St. Margaret Family Medicine Residency Program, UPMC St. Margaret, Pittsburgh, PA; (3)Geriatric Care Center, UPMC St. Margaret; (4)Graduate Medical Education, UPMC St. Margaret; (5)UPMC St. Margaret; (6)Palliative and Supportive Institute (PSI), University of Pittsburgh Medical Center*

124E. Maintaining glycemic control on Gla-300 while decreasing hypoglycemia in an aging type 2 diabetes (T2D) population: 12-month results (EDITION 2, EDITION 3).

*Medha Munshi, M.D.,<sup>1</sup> Meenakshi Patel, M.D.,<sup>2</sup> Jason Chao, Ph.D.,<sup>3</sup> Elena Nikonov, M.D.,<sup>4</sup> Jasvinder Gill, M.D.<sup>3</sup>; (1)Joslin Diabetes Center; (2)Valley Medical Primary Care; (3)Sanofi US, Inc.; (4)Sanofi, Inc.*

126. Assessment of cost of urinary tract infections in older dementia patients residing in assisted living facility.

*Sheetal Dharia, Pharm.D., Ph.D.,<sup>1</sup> Kristy Shaeer, Pharm.D.,<sup>2</sup> Sheeba Varghese-Gupta, MPharm, Ph.D.<sup>3</sup>; (1)Clinical Pharmacokinetics and Pharmacodynamics, AbbVie, North Chicago, IL; (2)Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL; (3)Department of Pharmaceutical Sciences, University of South Florida College of Pharmacy, Tampa, FL*

127. The impact of outpatient clinical decision support on high-risk medication prescribing in the elderly.

*Erin Neal, Pharm.D.,<sup>1</sup> Shane Stenner, M.D., M.S.,<sup>2</sup> Scott Nelson, Pharm.D., M.S.,<sup>2</sup> Joseph LeGrand, Pharm.D.<sup>2</sup>; (1)Vanderbilt Health Affiliated Network, Nashville, TN; (2)Vanderbilt University Medical Center, Nashville, TN*

128. Community outreach programs to enhance health knowledge in the elderly.

*Sum Lam, Pharm.D.*; College of Pharmacy and Health Sciences, St. John's University, Queens, NY

129. Evaluating medication discrepancies and potentially inappropriate medications in a geriatric population.

*Raya Manship, Pharm.D. Candidate 2017*;<sup>1</sup> Megan Carr, Pharm.D.,<sup>1</sup> Crystal Burkhardt, Pharm.D., MBA, BCPS,<sup>2</sup> Brittany Melton, Ph.D., Pharm.D.,<sup>2</sup> Deon Cox Hayley, DO<sup>2</sup>; (1)University of Kansas School of Pharmacy; (2)University of Kansas Medical Center

### **Hematology/Anticoagulation**

143. Comparison of apixaban and rivaroxaban trough anti-Xa activity.

*David Bookstaver, Pharm.D.*,<sup>1</sup> Kimberly Sparks, Pharm.D.,<sup>1</sup> Brandon Pybus, Ph.D.,<sup>2</sup> Dustin Davis, M.D.<sup>3</sup>; (1)Department of Pharmacy, Eisenhower Army Medical Center, Fort Gordon, GA; (2)Department of Pathology, Eisenhower Army Medical Center, Fort Gordon, GA; (3)Department of Medicine, Eisenhower Army Medical Center, Fort Gordon, GA

144. Antifactor Xa levels compared to activated partial thromboplastin time for heparin monitoring.

*James Coons, Pharm.D.*,<sup>1</sup> Emily Whitman-Purves, M.D.,<sup>2</sup> Derek Pae, M.D.,<sup>2</sup> Jeannine DiNella, RN,<sup>2</sup> Taylor Miller, Pharm.D.,<sup>2</sup> Andrew Althouse, Ph.D.,<sup>2</sup> Mark Schmidhofer, M.D.,<sup>2</sup> Roy Smith, M.D.<sup>3</sup>; (1)University of Pittsburgh, Pittsburgh, PA; (2)UPMC, Pittsburgh, PA; (3)University of Pittsburgh School of Medicine/University of Pittsburgh Medical Center Cancer Pavilion, Pittsburgh, PA

### **HIV/AIDS**

146E. Prevention of mother-to-child transmission (PMTCT) of HIV: evaluating delivery hospital infrastructure and provider knowledge, Atlanta, GA.

*Somer Smith, Pharm.D., BCPS, AAHIVP*,<sup>1</sup> Ann Chahroudi, M.D., Ph.D.,<sup>1</sup> Rana Chakraborty, M.D., Ph.D.,<sup>1</sup> Andres Camacho-Gonzalez, M.D.,<sup>1</sup> Pascale Wortley, M.D., MPH<sup>2</sup>; (1)Emory University, Department of Pediatrics, Division of Infectious Diseases, Atlanta, GA; (2)Georgia Department of Public Health

149E. Immunologic and virologic outcomes of obese and non-obese HIV-infected incarcerated adults.

*Melissa E. Badowski, Pharm.D.*,<sup>1</sup> Kristen Bunnell, Pharm.D.,<sup>2</sup> Connor Perkins, Pharm.D. Candidate,<sup>2</sup> Arwa Aldossari, Pharm.D. Candidate,<sup>2</sup> Mahesh Patel, M.D.,<sup>3</sup> Jeremy Young, M.D., MPH<sup>3</sup>; (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)University of Illinois at Chicago, College of Pharmacy; (3)University of Illinois at Chicago, College of Medicine

### **Infectious Diseases**

156E. Outcomes of veterans treated for hepatitis C infection with interferon-free regimens.

*Marisel Segarra-Newnham, Pharm.D., MPH*,<sup>1</sup> Timothy Church, Pharm.D.,<sup>2</sup> Gail Fox-Seaman, ARNP<sup>2</sup>; (1) Pharmacy Department, VAMC, West Palm Beach, FL; (2)VAMC

173. Effect of reduced vancomycin loading doses on vancomycin trough concentrations in critically ill and non-critically ill patients.

*Anwesa Chakrabarti, Pharm.D.*, Alydia Snyder, Pharm.D., Jamie Hopkins, Pharm.D.; Department of Pharmacy, Jackson-Madison County General Hospital, Jackson, TN

178E. Integrating rapid pathogen identification and antimicrobial stewardship for patients with enterococcal bloodstream infections.

*Yixin Chen, Pharm.D., MBA*, William Musick, Pharm.D., BCPS, Katherine K. Perez, Pharm.D., BCPS; Department of Pharmacy Services, Houston Methodist Hospital, Houston, TX

181. Risk factors for *Pseudomonas aeruginosa* to guide empiric therapy for gram-negative infections. *Krutika Mediwalla, Pharm.D.*,<sup>1</sup> W Cliff Rutter, Pharm.D.,<sup>2</sup> Donna R Burgess, RPh,<sup>1</sup> Craig A. Martin, Pharm.D., BCPS,<sup>3</sup> Katie Wallace, Pharm.D.,<sup>1</sup> David Burgess, Pharm.D.<sup>3</sup>; (1)Department of Pharmacy, University of Kentucky HealthCare, Lexington, KY; (2)University of Kentucky College of Pharmacy, Lexington, KY; (3)Department of Pharmacy Practice and Science, University of Kentucky College of Pharmacy, Lexington, KY

183. Relative contributions of multidrug resistance transporters to azole antifungal resistance in *Candida glabrata*.

*Sarah G. Whaley, Pharm.D.*,<sup>1</sup> Qing Zhang, B.S.,<sup>1</sup> Kelly E. Caudle, Pharm.D., Ph.D.,<sup>2</sup> P. David Rogers, Pharm.D., Ph.D.<sup>1</sup>; (1)University of Tennessee College of Pharmacy, Memphis, TN; (2)Department of Pharmaceutical Sciences, St. Jude Children's Research Hospital, Memphis, TN

185E. Increased incidence of *Clostridium difficile* infections with proton pump inhibitor use post-kidney transplant.

Michael Spinner, Pharm.D.,<sup>1</sup> *Kajal Patel, Pharm.D., BCPS*,<sup>1</sup> Elizabeth Neuner, Pharm.D., BCPS-AQ ID,<sup>1</sup> Brian Stephany, M.D.<sup>2</sup>; (1)Department of Pharmacy, Cleveland Clinic, Cleveland, OH; (2)Department of Nephrology, Cleveland Clinic, Cleveland, OH

186. Impact of a pharmacist driven microbiological culture surveillance as part of an emergency department antimicrobial stewardship service.

*Eric Ocheretyaner, Pharm.D.*,<sup>1</sup> Eris Cani, B.S., Pharm.D.,<sup>2</sup> Stanley Moy, Pharm.D., BCPS,<sup>3</sup> Roopali Sharma, Pharm.D., BCPS-AQ ID, AAHIVP<sup>4</sup>; (1)Department of Pharmacy, SUNY Downstate Medical Center, Brooklyn, NY; (2)Pharmacy, SUNY Downstate Medical Center, Brooklyn, NY; (3)SUNY Downstate Medical Center, Brooklyn, NY; (4)Long Island University

188E. Assessment of phototoxicity potential of delafloxacin in healthy male and female subjects: a phase 1 study.

*Laura Lawrence, B.Sc.*,<sup>1</sup> Sue Cammarata, M.D.,<sup>2</sup> Susan Paulson, Ph.D., James Ferguson, M.D., Michael Schlosser, Ph.D.; (1)Clinical Development, Melinta Therapeutics, Inc., Lincolnshire, IL; (2)Medical Affairs, Melinta Therapeutics, Inc., Lincolnshire, IL

191. Comparison of oral antibiotic failure rates in post-Roux-en-Y gastric bypass patients versus controls.

David Roy, Pharm.D.,<sup>1</sup> *Kristina Thurber, Pharm.D.*,<sup>1</sup> Diana Langworthy, Pharm.D.,<sup>2</sup> Paul Lorentz, M.S., RN, RD,<sup>3</sup> Manpreet Mundi, M.D.,<sup>3</sup> Ross Dierkhising, M.S.<sup>4</sup>; (1)Department of Pharmacy Services, Mayo Clinic, Rochester, MN; (2)Department of Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (3)Division of Endocrinology, Diabetes, Metabolism, and Nutrition, Mayo Clinic, Rochester, MN; (4)Division of Biomedical Statistics and Informatics, Mayo Clinic, Rochester, MN

192. Revealing novel mechanisms of fluconazole-resistance in clinical *Candida tropicalis* isolates through next-generation sequencing and heterologous-overexpression in *Candida albicans*.

*Jeffrey Rybak, Pharm.D.*,<sup>1</sup> Elizabeth Berkow, Ph.D.,<sup>1</sup> Qing Zhang, B.S.,<sup>1</sup> Michael Dickens, Ph.D.,<sup>2</sup> Nathan Wiederhold, Pharm.D.,<sup>3</sup> Glen Palmer, Ph.D.,<sup>1</sup> P. David Rogers, Pharm.D., Ph.D.<sup>1</sup>; (1)University of Tennessee College of Pharmacy, Memphis, TN; (2)High Performance Research Computing, Texas A&M University, College Station, TX; (3)Fungus Testing Laboratory, UT Health Science Center at San Antonio, San Antonio, TX

195. Utilization of T2Candida Panel for the rapid detection of *Candida* species in a large community hospital.

*Hayley Kateon, Pharm.D.*,<sup>1</sup> Adam Sawyer, Pharm.D., BCPS,<sup>2</sup> Jonathan D. Edwards, Pharm.D., BCPS-AQ ID, CGP2; (1)Pharmacy, Huntsville Hospital, Huntsville, AL; (2)Department of Pharmacy, Huntsville Hospital, Huntsville, AL

505. Evaluation of vancomycin trough concentrations in obese patients.

*Tiffany Dickey, Pharm.D.,<sup>1</sup> Bradley Gann, Pharm.D.<sup>2</sup>; (1)College of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR; (2)School of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR*

### Medication Safety

196. The impact of pharmacist-led medication reconciliation in surgical ward targeting high-risk patients.

*Lorraine Lok Yan Li, MPharm, MCLinPharm, Howard Ho Yeung Tsoi, BPharm, MCLinPharm; Department of Pharmacy, United Christian Hospital, Hong Kong, Hong Kong*

197. Medication reconciliation error in a tertiary care hospital of Saudi Arabia. An analysis of risk factors associated with hospital admission and design of predictive model for implementation of medication reconciliation program.

*Faizan Mazhar, Pharm.D., Mphil, BCPS,<sup>1</sup> Shahzad Akram, Pharm.D., BCPS,<sup>2</sup> Nafis Haider, BPharm, Ph.D.<sup>3</sup>; (1)King Fahad Military Medical Complex, Dhahran, Saudi Arabia; (2)Pharmaceutical Care, King Abdulaziz Medical City, Riyadh, Saudi Arabia*

199. Accuracy of hospitalized patients height and weight documentation and impact on drug dosing.

*Alice Margulis, B.S. Pharmacy Studies,<sup>1</sup> Ronald Patrick Landayan, B.S. Pharmacy Studies,<sup>1</sup> Nicholas Quinn, B.S. Pharmacy Studies,<sup>1</sup> Alison Lew, B.S. Pharmacy Studies,<sup>1</sup> Michael J. Gonyeau, BPharm, Pharm.D., BCPS, FCCP<sup>2</sup>; (1)School of Pharmacy, Northeastern University, Boston, MA; (2)Northeastern University School of Pharmacy, Boston, MA*

### Neurology

212E. The safety of augmented visual stimulation: does repeated, extensive visual stimulation within a time-frame of one hour increase sensitivity in photosensitive patients?

*Ronald Reed, BPharm, Pharm.D.,<sup>1</sup> Dorothee Kasteleijn-Nolst Trenite, M.D., Ph.D., MPH<sup>2</sup>; (1) Department of Pharmacy Practice, Husson University School of Pharmacy, Bangor, ME; (2)Faculty of Medicine & Psychology, University of Rome "Sapienza" II, Roma, Italy*

### Nutrition

213E. Severe vitamin D deficiency in critically ill patients with traumatic injuries.

*Roland Dickerson, Pharm.D.,<sup>1</sup> Jonathan Van Cleve, Pharm.D.,<sup>2</sup> George Maish III, M.D.,<sup>3</sup> Joseph Swanson, Pharm.D.,<sup>4</sup> Gayle Minard, M.D.,<sup>3</sup> Rex Brown, Pharm.D.<sup>5</sup>; (1)Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (2)Clinical Pharmacy, University of Tennessee College of Pharmacy; (3)Department of Surgery, University of Tennessee Health Science Center, Memphis, TN; (4)University of Tennessee; (5)University of Tennessee Health Science Center, Memphis, TN*

214E. Sliding scale regular human insulin for critically ill patients receiving nutrition support.

*Sarah Cogle, Pharm.D.,<sup>1</sup> Susan Dickey, Pharm.D.,<sup>2</sup> George Maish III, M.D.,<sup>3</sup> Gayle Minard, M.D.,<sup>3</sup> Martin Croce, M.D.,<sup>3</sup> Roland Dickerson, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Auburn, AL; (2)Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (3)Department of Surgery, University of Tennessee Health Science Center, Memphis, TN*

### Pain Management/Analgesia

219. Opioid and benzodiazepine use in breast cancer patients before, during, and after curative chemotherapy.

*Warren Yau, B.S.,<sup>1</sup> Eric Roeland, M.D.,<sup>2</sup> Carolyn Revta, MPH,<sup>2</sup> Amine Ale-Ali, Pharm.D.,<sup>2</sup> Joseph Ma,*



*Pharm.D.*<sup>3</sup>; (1)UC San Diego, Skaggs School of Pharmacy & Pharmaceutical Sciences, La Jolla, CA; (2)UC San Diego Moores Cancer Center; (3)UC San Diego, Skaggs School of Pharmacy & Pharmaceutical Sciences

220. Clinical and demographic characteristics of patients receiving opioid therapy during pregnancy.

*Caitlin K. Frail, Pharm.D., M.S., BCACP*<sup>1</sup> Pamala A. Pawloski, Pharm.D.,<sup>2</sup> Rebecca C. Rossom, M.D., MSCR,<sup>2</sup> Avis J. Thomas, M.S.,<sup>2</sup> Ann M. Werner, B.S.,<sup>2</sup> Thomas E. Elliott, M.D.<sup>2</sup>; (1)Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (2) HealthPartners Institute, Bloomington, MN

221. Comparison of multimodal, sliding scale acute pain protocols with traditional prescribing. *Jayne Pawasauskas, Pharm.D.*<sup>1</sup> Christian Gill, Pharm.D. Intern,<sup>1</sup> Michael Facente, Pharm.D.,<sup>1</sup> Michelle Kelley, Pharm.D.<sup>2</sup>; (1)University of Rhode Island; (2)Kent Hospital

222. Perioperative use of single-dose intravenous versus oral acetaminophen in patients undergoing orthopedic surgery.

*Krista Foley, Pharm.D.*<sup>1</sup> Lee Skrupky, Pharm.D., BCPS,<sup>1</sup> Jeff Waise, Pharm.D., MBA,<sup>1</sup> Todd Bruss, PA-C, ATC, CSCS,<sup>2</sup> Robert Limoni, M.D.,<sup>2</sup> Paul Luikart, M.D.,<sup>3</sup> Barry McClain, Pharm.D., M.S.,<sup>4</sup> Robert Mate, B.A., M.A.<sup>4</sup>; (1)Department of Inpatient Pharmacy, Aurora BayCare Medical Center, Green Bay, WI; (2)Aurora BayCare Orthopedic & Sports Medicine Center, Green Bay, WI; (3)Department of Anesthesiology, Aurora BayCare Medical Center, Green Bay, WI; (4)Aurora Health Care

223. Comparison of venlafaxine and duloxetine: measuring clinical impact of time to therapeutic dose among patients achieving therapeutic dosing for pain.

*Jennifer W. Baker, Pharm.D., BCACP, BCPS*, Tim Atkinson, Pharm.D., BCPS, Keslie Flynn, Pharm.D.; Veterans Affairs Tennessee Valley Healthcare System, Murfreesboro, TN

224. Impact of educating the college population about intranasal naloxone.

*Nicolette Diehl, Student*<sup>1</sup> Jennifer Pruskowski, Pharm.D., BCPS, CGP, CPE<sup>2</sup>; (1)School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)Palliative and Supportive Institute (PSI), University of Pittsburgh Medical Center

## Pediatrics

227E. Neonates, bugs, and lines: a look at preventing sepsis post catheter removal.

*Sarah Tierney, Pharm.D.*<sup>1</sup> Gail Reynolds, DNP, MSN, ARNP, PNP,<sup>2</sup> Jonathan Klein, M.D.<sup>2</sup>; (1)Department of Pharmaceutical Care, University of Iowa Hospitals and Clinics, Iowa City, IA; (2)Stead Family Department of Pediatrics, University of Iowa Hospitals and Clinics, Iowa City, IA

## Pharmacoeconomics/Outcomes

231. Updated cost-savings of metformin for diabetes prevention.

*Nicholas Carris, Pharm.D.*<sup>1</sup> Branko Miladinovic, Ph.D.,<sup>2</sup> William Kelly, Pharm.D.<sup>3</sup>; (1)Pharmacotherapeutics & Clinical Research; Family Medicine, University of South Florida, Tampa, FL; (2)Division of Evidence-based Medicine, Department of Internal Medicine, University of South Florida, Tampa, FL; (3)Pharmacotherapeutics & Clinical Research, University of South Florida, Tampa, FL

232E. Satisfaction and adherence with current treatment options for dry eye disease: analysis of data from the United States National Health and Wellness Survey.

*Debra A. Schaumberg, ScD, OD, MPH*<sup>1</sup> Ipek Özer Stillman, M.S.,<sup>2</sup> Kimberley F. Farrand, MPH,<sup>3</sup> Moshe Fridman, Ph.D.<sup>4</sup>; (1)Ophthalmics, Shire, Lexington, MA; (2)Global HEOR & Epidemiology, Shire, Lexington, MA; (3)Global HEOR & Epidemiology, Shire, Wayne, PA; (4)AMF Consulting, Inc., Los Angeles, CA

233. Cost-effectiveness of a collaborative care model with pharmacist-provided medication review for hemodialysis patients.

Paik Shia Lim, Pharm.D., BCPS,<sup>1</sup> *Giat Yeng Khee, Pharm.D., BCPS*;<sup>1</sup> Wan Chee Ong, Pharm.D., CGP, BCPS;<sup>1</sup> Mee Yin Melissa Chow, BPharm, BCPS;<sup>1</sup> Hui Lin Lina Choong, MBBS, M Med (Int Med), FAMS;<sup>2</sup> Hua Heng McVin Cheen, BScPharm (Hon), CGP, BCACP<sup>1</sup>; (1)Department of Pharmacy, Singapore General Hospital, Singapore, Singapore; (2)Department of Renal Medicine, Singapore General Hospital, Singapore, Singapore

234E. Evaluation of health care costs and utilization patterns for patients with gout in Taiwan. Yi-yun Lee, Pharm.D.,<sup>1</sup> Yu Ko, Ph.D.<sup>2</sup>; (1)Department of Pharmacy, Wan Fang Hospital, Taipei Medical University; (2)School of Pharmacy, College of Pharmacy, Taipei Medical University

235. Personalized antiplatelet therapy by CYP2C19 loss-of-function and gain-of-function alleles – a decision analysis.

Minghuan Jiang, B.Sc., MPhil, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong

236. Cost-effectiveness of point-of-care testing for influenza at community pharmacy setting in Hong Kong.

Lok-pui Tam, BPharm, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong

237. Cost-effectiveness of active surveillance with decolonization of carbapenem-resistant Enterobacteriaceae in intensive care unit setting of Hong Kong.

Hong-kiu Li, BPharm, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong

### Pharmacogenomics/Pharmacogenetics

247. Identification of clinically actionable drug-drug-gene interactions that impact pharmacogenomic prescribing.

Yee Ming Lee, Pharm.D.,<sup>1</sup> Emanuele Agolini, Ph.D.,<sup>2</sup> Keith Danahey, M.S.,<sup>3</sup> Patrick Yukman, B.A.,<sup>3</sup> Brittany Borden, M.A.,<sup>1</sup> Edward Leung, Ph.D.,<sup>4</sup> Kiang-Teck Yeo, Ph.D.,<sup>4</sup> Peter O'Donnell, M.D.,<sup>5</sup> Mark Ratain, M.D.<sup>5</sup>; (1)Center for Personalized Therapeutics, University of Chicago, Chicago, IL; (2)Center for Personalized Therapeutics, Department of Pathology, University of Chicago, Chicago, IL; (3) Center for Personalized Therapeutics, Center for Research Informatics, University of Chicago, Chicago, IL; (4)Department of Pathology, University of Chicago Medicine, Chicago, IL; (5)Center for Personalized Therapeutics, Department of Medicine, Committee on Clinical Pharmacology and Pharmacogenomics, University of Chicago Medicine, Chicago, IL

249. R-warfarin clearance and its effect on warfarin dose requirements in African Americans.

Issam Hamadeh, Pharm.D.,<sup>1</sup> Harumi Takahashi, Ph.D.,<sup>2</sup> Larisa H. Cavallari, Pharm.D., BCPS, FCCP<sup>3</sup>; (1)Department of Pharmacotherapy and Translational Research, Center for Pharmacogenomics, University of Florida, College of Pharmacy, Gainesville, FL; (2)Department of Biopharmaceutics, Department of Biopharmaceutics, Pharmaceutical University, Kiyose, Tokyo; (3)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL

### Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

256. Comparison of the pharmacokinetics of droxidopa after dosing in the fed versus fasted state and with 3-times-daily dosing in healthy elderly subjects.

Jack J. Chen, Pharm.D.,<sup>1</sup> L. Arthur Hewitt, Ph.D.<sup>2</sup>; (1)College of Pharmacy, Marshall B. Ketchum University, Fullerton, CA; (2)Lundbeck LLC, Deerfield, IL

257. Physiologically based pharmacokinetic modeling using SIMCYP predicts sertraline exposure in pregnant patients.

*Naveen Daryani, B.S., Pharm.D. Candidate 2017;*<sup>1</sup> Hari Varun Kalluri, Pharm.D.;<sup>2</sup> Rujuta Joshi, B.S.;<sup>2</sup> Steve Caritis, M.D.;<sup>3</sup> Raman Venkataramanan, Ph.D.<sup>4</sup>; (1)Department of Pharmacy and Therapeutics, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)Department of Pharmaceutical Sciences, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (3)Department of OB/GYN/RS - Maternal-Fetal Medicine Division & Department of Pediatrics, Magee-Women's Hospital & Magee-Women's Research Institute, Pittsburgh, PA; (4)Department of Pathology, School of Medicine & UPMC, University of Pittsburgh/ University of Pittsburgh Medical Center, Pittsburgh, PA

258. Safety and pharmacokinetics of single and multiple doses of CD101 IV: results from two phase 1 dose-escalation studies.

*Taylor Sandison, M.D., MPH;*<sup>1</sup> Danielle Armas, M.D.;<sup>2</sup> Jonathan Lee, B.S.;<sup>1</sup> Voon Ong, Ph.D.;<sup>1</sup> Dirk Thye, M.D.<sup>1</sup>; (1)Cidara Therapeutics, Inc., San Diego, CA; (2)Celerion, Tempe, AZ

259. Evaluation of cyclosporine (CsA) co-administration on brincidofovir (BCV) pharmacokinetics (PK) and safety in adult and pediatric transplant recipients.

*Mary Wire, Pharm.D.;*<sup>1</sup> Tim Bergsma, Ph.D.;<sup>2</sup> Marion Morrison, M.D.;<sup>1</sup> Tom Brundage, M.S.;<sup>1</sup> Nathan Teuscher, Ph.D.;<sup>2</sup> Mark Lovern, Ph.D.<sup>2</sup>; (1)Chimerix, Durham, NC; (2)Certa

260. Population pharmacokinetics of a novel antimicrobial compound following intravenous dosing in healthy subjects and patients.

*Anu Shilpa Krishnatry, Ph.D.;*<sup>1</sup> Mohammad Hossain, Ph.D.;<sup>2</sup> Pragathi Kotha Venkata, MEngg.<sup>2</sup> Etienne Dumont, M.D.;<sup>3</sup> David Gardiner, M.D.<sup>3</sup>; (1)Systems Modeling and Translational Biology, GlaxoSmithKline; (2)Clinical Pharmacology Modeling and Simulation, GlaxoSmithKline; (3)Infectious Diseases Therapeutic Area Unit, GlaxoSmithKline

261E. Pharmacological basis of CD101 efficacy: exposure shape matters.

*Elizabeth A. Lakota, Pharm.D., M.S.;*<sup>1</sup> Christopher M. Rubino, Pharm.D., BCPS;<sup>1</sup> Voon Ong, Ph.D.;<sup>2</sup> Ken Bartizal, Ph.D.;<sup>2</sup> Lynn Miesel, Ph.D.;<sup>3</sup> Sujata M. Bhavnani, Pharm.D., M.S.;<sup>1</sup> Paul G. Ambrose, Pharm.D., FIDSA<sup>1</sup>; (1)Institute for Clinical Pharmacodynamics, Latham, NY; (2)Cidara Therapeutics, Inc., San Diego, CA; (3)Eurofins Panlabs, Ltd., St. Charles, MO

## Psychiatry

263E. Early clinical immersion as inpatient psychiatry medication education group leaders.

*Jacqueline McLaughlin, Ph.D.;*<sup>1</sup> Lindsey Kennedy, Pharm.D.;<sup>2</sup> Shauna Garris, Pharm.D.;<sup>2</sup> Suzanne Harris, Pharm.D.;<sup>1</sup> Nicole R. Pinelli, Pharm.D., M.S., CDE;<sup>2</sup> Ashley Hillman, Pharm.D.;<sup>2</sup> Denise Rhoney, Pharm.D.<sup>1</sup>; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)University of North Carolina Medical Center

## Pulmonary

268. Impact of antibiotics on readmission rates for chronic obstructive pulmonary disease (COPD) exacerbations.

*Jason Lancaster, Pharm.D., Med.;*<sup>1</sup> Cyrille Cornelio, B.S.;<sup>2</sup> Jennifer Hum, B.S.;<sup>2</sup> Yestle Kim, B.S.;<sup>2</sup> Ann Phung, B.S.;<sup>2</sup> Kevin She, B.S.;<sup>2</sup> Yuxiu Lei, Ph.D.;<sup>3</sup> Laura Hunt, Pharm.D.;<sup>1</sup> Elizabeth O'Gara, Pharm.D.;<sup>1</sup> Timothy Liesching, M.D.;<sup>3</sup> Henri Balaguera, M.D.<sup>4</sup>; (1)Department of Pharmacy, Lahey Hospital & Medical Center, Burlington, MA; (2)School of Pharmacy, Northeastern University, Boston, MA; (3) Department of Pulmonology, Lahey Hospital & Medical Center, Burlington, MA; (4)Department of Hospital Medicine, Lahey Hospital & Medical Center, Burlington, MA

269. Hepatic safety of ambrisentan and tadalafil alone and in combination - an analysis of the AMBITION trial.

*Krishna Patel, Pharm.D.;*<sup>1</sup> Christiana Blair, M.S.;<sup>2</sup> James Tislow, Pharm.D.;<sup>3</sup> Karen Miller, Ph.D.<sup>4</sup>; (1)

Medical Affairs, Gilead Sciences Inc, Foster City, CA; (2)Biostatistics, Gilead Sciences, Inc., Foster City, CA; (3)Medical Affairs, Gilead Sciences, Inc., Foster City, CA; (4)Clinical Research, Gilead Sciences, Inc., Foster City, CA

270. Evaluation of corticosteroid dose in acute exacerbation of chronic obstructive pulmonary disease (COPD).

*Alice Hemenway, Pharm.D.*,<sup>1</sup> Alexandra Terry, Pharm.D.<sup>2</sup>; (1)Department of Pharmacy Practice, University of Illinois at Chicago College of Pharmacy, Rockford, IL; (2)University of Illinois at Chicago College of Pharmacy, Rockford, IL

## Rheumatology

271. Pharmacists' impact on dose optimisation and detection of adverse drug events in patients with rheumatoid arthritis.

*Uyen V.T. Dinh, BScPharm (Hon)*,<sup>1</sup> Archana Vasudevan, MBBS, M.D.,<sup>2</sup> Serene Yeow, MClinPharm,<sup>1</sup> Ian Wee, MPharm (ClinPharm), BCPS,<sup>1</sup> Elena Lee, BScPharm (Hon), BCACP<sup>1</sup>; (1)Department of Pharmacy, Changi General Hospital, Singapore, Singapore; (2)Division of Rheumatology, Changi General Hospital, Singapore, Singapore

272. Evaluation of current adherence to American College of Rheumatology guideline recommendations for monitoring of urate lowering therapy in U.S. veterans.

*Jonathan Hughes, Pharm.D.*,<sup>1</sup> Candace Bryant, Pharm.D.,<sup>2</sup> Brent Salvig, Pharm.D., BCPS,<sup>2</sup> Theron N. Fourakre, Pharm.D., BCPS,<sup>2</sup> Jessica Wallace, Pharm.D., BCPS<sup>3</sup>; (1)VA Tennessee Valley Healthcare System, Nashville, TN; (2)Department of Pharmacy Services, VA Tennessee Valley Healthcare System, Nashville, TN; (3)College of Pharmacy, Lipscomb University College of Pharmacy, Nashville, TN

## Transplant/Immunology

279. Effects of genetic polymorphism in UDP-glucuronosyltransferase (UGT), multidrug resistance-protein 2 (MRP-2), and organic anion transporter (OATP) on mycophenolate-associated neutropenia in steroid-free adult kidney transplant recipients.

*Tony K.L. Kiang, BScPharm, Ph.D.*, ACPR,<sup>1</sup> Nilufar Partovi, Pharm.D.,<sup>1</sup> Trana Hussaini, Pharm.D.,<sup>1</sup> Rebecca Jean Shapiro, M.D.,<sup>2</sup> Abby Collier, Ph.D.,<sup>3</sup> Mary Ensom, BSPharm, Pharm.D., FASHP, FCCP, FCSHP, FCAHS<sup>3</sup>; (1)Department of Pharmacy, Vancouver General Hospital, Vancouver, British Columbia, Canada; (2)Department of Nephrology, Vancouver General Hospital, Vancouver, British Columbia, Canada; (3)Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada

283. The impact of opioid-minimization using ketorolac-based pain protocol following laparoscopic living donor nephrectomy.

*Benito Valdepenas, B.S.*,<sup>1</sup> Amin Virani, B.S.,<sup>1</sup> Maya Campara, Pharm.D., BCPS<sup>2</sup>; (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL

## ADVANCES IN INTERNATIONAL CLINICAL PHARMACY PRACTICE, EDUCATION, OR TRAINING

### Education/Training

292. Exploration and construction of clinical pharmacist training innovation mode in China.

*Jingwen Wang Sr, Doctor*,<sup>1</sup> Lei Wang Jr, Doctor,<sup>1</sup> Guojiao You Jr, M.S.,<sup>1</sup> Yi Qiao Jr, Doctor,<sup>1</sup> Yin Wu Sr, Doctor,<sup>1</sup> Wei Zhang Jr, Doctor,<sup>1</sup> Yao Lu Jr, M.S., Congcong Wang Jr, M.S.,<sup>1</sup> Aidong Wen Sr, Doctor<sup>1</sup>; (1) Department of Pharmacy, Xijing Hospital, Fourth Military Medical University

293. The evolution of the Panama Global Health Initiative.

Radha Patel, Pharm.D., MPH, BCACP, CPH, *Rachel Franks, Pharm.D.*, BCACP, CDE, Kristy Shaeer,

Pharm.D., Jose Barboza, Pharm.D., CDE, Angela Hill, Pharm.D., BCPP, CPh; Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL

294. Development and evaluation of the Diabetes, Multidisciplinary, Experiential (DIAMANTE) program for community pharmacists in Singapore: a mixed-method study.

*Melanie Siaw, BScPharm, Seng Wei Ang, BScPharm, Joyce Lee, Pharm.D., BCPS, BCACP; Department of Pharmacy, Faculty of Science, National University of Singapore, Singapore*

295. The first Arabian drug information center (FADIC), a new vision of clinical pharmacy education and training.

*Rasha Abdelsalam Elshenawey, BCPS, MScClinPharm, Tanta University Hospitals, Egypt, Heba-t-Allah Matar Ali Matar, BCPS, MScClinPharm; Clinical Pharmacy, Tanta University Hospitals, Makkah*

296. Train-the-trainer program for faculty teaching a patient-centered communication course in Turkey.

*Jodie Malhotra, Pharm.D.,<sup>1</sup> Nese B. Aksu, Ph.D.,<sup>2</sup> Akgul Yesilada, Ph.D.,<sup>3</sup> Deniz Baykal, B.A., M.A.,<sup>2</sup> Kari Franson, Pharm.D., Ph.D.,<sup>4</sup> (1)Distance Degrees and Programs, University of Colorado Skaggs School of Pharmacy, Aurora, CO; (2)Istanbul Kemerburgaz University School of Foreign Languages; (3)Faculty of Pharmacy, Istanbul Kemerburgaz University, Bagcilar, Istanbul, Turkey; (4)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO*

298. Intensive workshop in Mysore, India provides clinical pharmacy preceptor training to multi-university Indian faculty.

*Elizabeth Sherman, Pharm.D.,<sup>1</sup> Mark Decerbo, Pharm.D.,<sup>2</sup> Krishna Kumar, Ph.D., MPS,<sup>3</sup> William Wolowich, Pharm.D.,<sup>4</sup> Parthasarathi Gurumurthy, MPharm, Ph.D., PG Dip Clin Pharm (Australia),<sup>5</sup> Ponnusankar Sivasankaran, MPharm, Ph.D.,<sup>6</sup> Arun Kanniyappan Parthasarathy, MPharm, Ph.D.,<sup>6</sup> Suresh Bhojraj, MPharm, Ph.D., DSc;<sup>7</sup> (1)Department of Pharmacy Practice, Nova Southeastern University, College of Pharmacy, Fort Lauderdale, FL; (2)Roseman University of Health Sciences; (3)Howard University; (4)Nova Southeastern University; (5)JSS University; (6)JSS College of Pharmacy*

299. US faculty provide infectious disease training to doctor of pharmacy students and faculty at workshops in India.

*Elizabeth Sherman, Pharm.D.,<sup>1</sup> Miranda Nelson, Pharm.D.,<sup>2</sup> Krishna Kumar, Ph.D., MPS,<sup>3</sup> Mark Decerbo, Pharm.D.,<sup>4</sup> Ponnusankar Sivasankaran, MPharm, Ph.D.,<sup>5</sup> Gopinath Chakka, MPharm, Ph.D.,<sup>6</sup> Suresh Bhojraj, MPharm, Ph.D., DSc,<sup>7</sup> Arun Kanniyappan Parthasarathy, MPharm, Ph.D.,<sup>5</sup> (1)Department of Pharmacy Practice, Nova Southeastern University, College of Pharmacy, Fort Lauderdale, FL; (2) Southern Illinois University Edwardsville; (3)Howard University; (4)Roseman University of Health Sciences; (5)JSS College of Pharmacy; (6)Annamacharya College of Pharmacy; (7)JSS University*

300. Utilization of a best clinical practices program to develop Nigerian pharmacists' clinical interventions documentation skills.

*Angela O. Shogbon, Pharm.D., BCPS,<sup>1</sup> Pamela M. Moye, Pharm.D., BCPS, AAHIVP,<sup>1</sup> Kate Okpukpara, Pharm.D.,<sup>2</sup> Teresa Pounds, Pharm.D., BCNSP;<sup>2</sup> (1)Mercer University College of Pharmacy, Atlanta, GA; (2)Department of Pharmacy, Atlanta Medical Center*

301. Pharmacy involvement in an interprofessional, international mission trip.

*Yvonne Phan, Pharm.D.,<sup>1</sup> Jennifer Smith, Pharm.D.,<sup>2</sup> Shelley Otsuka, Pharm.D.,<sup>3</sup> Thaddeus McGiness, Pharm.D.,<sup>1</sup> Jessica Adams, Pharm.D.,<sup>4</sup> Shannon Burke, B.S.,<sup>5</sup> Ryan Carney, B.S.,<sup>5</sup> Oluwadamilola Oyenusi, B.S.,<sup>5</sup> (1)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, University of the Sciences, Philadelphia, PA; (2)University of the Sciences Philadelphia College of Pharmacy; (3)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, Philadelphia, PA; (4)Cooper University Hospital, Camden, NJ; (5)Philadelphia College of Pharmacy, University of the Sciences, Philadelphia, PA*

## CASE REPORTS

### Adult Medicine

466. Azathioprine and allopurinol - a deadly combination.

*Bradley Wagner, Pharm.D.*; Virginia Commonwealth University Health System, Richmond, VA

### Emergency Medicine

472. Gabapentin toxicity and associated blood levels in emergency room patients with renal insufficiency: case reports.

*James A. Damilini, Pharm.D., M.S., BCPS*, John J. Radosevich, Pharm.D., BCPS, BCCCP; St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ

473. Edrophonium overdose and toxicity: a case report.

*James A. Damilini, Pharm.D., M.S., BCPS*, John J. Radosevich, Pharm.D., BCPS, BCCCP; St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ

474. Intracavernosal phenylephrine as a probable cause of hypertensive emergency and intracranial hemorrhage: case report.

*Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP*<sup>1</sup> Jorge Kamimoto, M.D.,<sup>2</sup> William Atchley, M.D., Ph.D.,<sup>2</sup> Marcia Erbland, M.D.<sup>2</sup>; (1)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (2)University of Arkansas for Medical Sciences

Note: Poster #474 located next to MeRIT posters.

### Hematology/Anticoagulation

475. A protocol for intra-arterial tirofiban administration for thromboembolic complications during neuroendovascular treatment: a case report.

*Deepa Patel, Pharm.D.*,<sup>1</sup> Mikayel Grigoryan, M.D.<sup>2</sup>; (1)School of Pharmacy, Philadelphia College of Osteopathic Medicine, Suwanee, GA; (2)Department of Interventional Neurology, WellStar Atlanta Medical Center, Atlanta, GA

### Pharmacogenomics/Pharmacogenetics

481. A case report of complete warfarin resistance and clinical application of pharmacogenetic testing.

*Eric Parod, Pharm.D.*,<sup>1</sup> Dave Dixon, Pharm.D.,<sup>1</sup> Evan Sisson, Pharm.D., MSHA,<sup>1</sup> Kendra Ogbonna, Pharm.D.<sup>2</sup>; (1)Department of Pharmacotherapy and Outcomes Science, Virginia Commonwealth University School of Pharmacy, Richmond, VA; (2)Virginia Commonwealth University Health System, Richmond, VA

## CLINICAL PHARMACY FORUM

### Education/Training

323. Students of pharmacy and dentistry collaborate in an interprofessional predoctoral dental clinic.

*Jessica L. Johnson, Pharm.D., BCPS*,<sup>1</sup> Adrienne Mitchell, BSPHarm,<sup>1</sup> Sandra Andrieu, MEd, Ph.D.,<sup>2</sup> John Okogbaa, Pharm.D.,<sup>1</sup> Alex Ehrlich, DDS,<sup>2</sup> Francis T. Giacona, DDS,<sup>2</sup> Chet Smith, DDS<sup>2</sup>; (1)College of Pharmacy, Xavier University of Louisiana, New Orleans, LA; (2)School of Dentistry, Louisiana State University Health Sciences Center, New Orleans, LA

324. Hotspotting: students of pharmacy as system navigators for high-utilizing patients.

*Jessica L. Johnson, Pharm.D., BCPS*,<sup>1</sup> Jennifer Avegno, M.D.,<sup>2</sup> Catherine Jones, M.D.,<sup>3</sup> Sarah Candler, M.D., MPh,<sup>3</sup> Deborah St. Germain, DNP<sup>4</sup>; (1)College of Pharmacy, Xavier University of Louisiana, New Orleans, LA; (2)School of Medicine, Louisiana State University Health Sciences Center, New Orleans,

LA; (3)Tulane University School of Medicine, New Orleans, LA; (4)School of Nursing, Louisiana State University Health Sciences Center, New Orleans, LA

325. Pharmacotherapy as required rotation within a family medicine residency.

*Carolyn Brackett, B.S., Pharm.D.,<sup>1</sup> Andrew Sitzmann, M.D.<sup>2</sup>; (1)Division of Pharmacy Practice and Science, Ohio State University College of Pharmacy, Columbus, OH; (2)Department of Family Medicine, Mount Carmel Health System, Westerville, OH*

326. Development of a student-led ambulatory medication reconciliation (SLAMR) program at an academic institution.

*Aimon C. Miranda, Pharm.D., BCPS, Melissa Ruble, Pharm.D., BCPS, Jaclyn Cole, Pharm.D., BCPS, Erini Serag-Bolos, Pharm.D.; Department of Pharmacotherapeutics and Clinical Research, University of South Florida, College of Pharmacy, Tampa, FL*

327. The clinical training center: a layered-learning rotation model to meet hospital goals and standards of practice.

*Jordan Masterson, Pharm.D., BCPS, Aubrie Rafferty, Pharm.D., BCPS, Elizabeth Michalets, Pharm.D., BCPS, FCCP; Mission Health System and UNC Eshelman School of Pharmacy, Asheville, NC*

328. Development of a residency assistance program for fourth-year pharmacy students.

*Leigh Gravatt, Pharm.D.; Department of Pharmacotherapy and Outcomes Sciences, Virginia Commonwealth University School of Pharmacy, Richmond, VA*

## Emergency Medicine

329. Emergency medicine pharmacists and board certification choices: a high-risk clinical practice at the intersection of simultaneous critical care, acute care and ambulatory care patients.

*Sandy Bartlett, Ph.D., Pharm.D., BCPS, BCCCP, Erica Meehan, Pharm.D. Candidate, Gwen Bartlett, BSPHarm, Pharm.D., BCPS, BCCCP; School of Pharmacy, Husson University, Bangor, ME*

## HIV/AIDS

332. Description of collaboration between an interdisciplinary human immunodeficiency virus (HIV) clinic.

*Thomas Chiampas, Pharm.D.,<sup>1</sup> Melissa E. Badowski, Pharm.D.,<sup>2</sup> Rodrigo Burgos, Pharm.D.,<sup>3</sup> Sarah Michienzi, Pharm.D.,<sup>1</sup> Renata Smith, Pharm.D.<sup>1</sup>; (1)Department of Pharmacy Practice, Section of Infectious Diseases, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (3)Department of Pharmacy Practice Section of Infectious Disease Pharmacotherapy, University of Illinois at Chicago College of Pharmacy, Chicago, IL*

## Infectious Diseases

333. Partnership between a community hospital and academic medical center to establish a sustainable antimicrobial stewardship program.

*Dan Fleischman, Pharm.D.,<sup>1</sup> Daniel Schenkat, Pharm.D.,<sup>2</sup> Lucas T Schulz, Pharm.D., BCPS<sup>2</sup>; (1)Monroe Clinic, Monroe, WI; (2)Department of Pharmacy, University of Wisconsin Hospital and Clinics, Madison, WI*

334. An interdisciplinary team approach to hepatitis C evaluation and treatment: assessing the impact of clinical pharmacist involvement on HCV clinical practice and treatment.

*Autumn D. Bagwell, Pharm.D., BCPS,<sup>1</sup> Cody Chastain, M.D.<sup>2</sup>; (1)Vanderbilt Specialty Pharmacy, Vanderbilt University Medical Center, Nashville; (2)Division of Infectious Diseases, Vanderbilt University Medical Center, Nashville*

335. Pharmacist-directed penicillin skin testing as an antimicrobial stewardship Initiative: over-view of results from a citywide approach.

*Christopher Bland, Pharm.D., BCPS, FIDSA,*<sup>1</sup> Bruce Jones, Pharm.D., BCPS,<sup>2</sup> Jason Lin, Pharm.D.<sup>3</sup>; (1) Clinical and Administrative Pharmacy, University of Georgia College of Pharmacy, Savannah, GA; (2) St. Joseph's/Candler Health System, Savannah, GA; (3) Memorial Health, Savannah, GA

### **Managed Care**

336. Effects of implementing a comprehensive assessment form in the intensive care unit of a regional hospital on the performance of pharmacist rounds.

*Su-Han Hsu, B.S.,*<sup>1</sup> Pei-Chun Chen, M.S.,<sup>1</sup> Tsai-Hsuan Lei, B.S.,<sup>2</sup> Donna Shu-Han Lin, M.D.,<sup>3</sup> Chi-Ting Tseng, M.S.,<sup>1</sup> Lih-Chi Chen, Doctor,<sup>4</sup> Yenming J. Chen, Ph.D.<sup>5</sup>; (1)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan, Taipei, Taiwan; (2)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan., Taipei, Taiwan; (3)Doctor of Medicine, School of Medicine, National Yang Ming University, Taiwan, Department of Medical Education, Taipei Veterans General Hospital, Taipei, Taiwan, Taiwan; (4)Department of Pharmacy, Department of Pharmacy, Taipei City Hospital, Taipei, Taiwan., Taipei, Taiwan; (5)National Kaohsiung 1st University of Science & Technology

### **Pharmacogenomics/Pharmacogenetics**

343. Implementing a multidisciplinary pharmacogenomics clinic: reporting on 1 year of experience.

*Henry M. Dunnenberger, Pharm.D.,*<sup>1</sup> Annette Sereika, APN,<sup>1</sup> Peter Hulick, M.D.<sup>2</sup>; (1)Center for Molecular Medicine, NorthShore University HealthSystem, Evanston, IL; (2)Center for Medical Genetics, NorthShore University HealthSystem, Evanston, IL

### **Psychiatry**

344. Collaborative treatment of depression by a psychiatric pharmacist integrated within a community health center primary care clinic.

*Richard Silvia, Pharm.D., BCPP;* Department of Pharmacy Practice, MCPHS University, Boston, MA

## **SYSTEMATIC REVIEWS/META-ANALYSIS**

### **ADR/Drug Interactions**

484. Is the combination of piperacillin/tazobactam and vancomycin associated with nephrotoxicity – a meta-analysis.

*Pramodini Kale-Pradhan, Pharm.D., FCCP,*<sup>1</sup> Chandni Patel, B.S.,<sup>2</sup> Christopher A. Giuliano, Pharm.D.<sup>3</sup>; (1) Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences, Detroit, MI; (3)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI

### **Ambulatory Care**

485. The association between electronic cigarette use and smoking cessation in adult smokers attempting to quit: a systematic review.

*Christopher Meyer, Pharm.D. Candidate;* School of Pharmacy, University of California, San Francisco, San Francisco, CA

### **Drug Information**

486. Venous thromboembolism prophylaxis in surgical and medical obese patients: a systematic review of randomized and cohort studies.

*John Ericson Margallo, Pharm.D. Candidate 2017;* Department of Pharmacy Services, Cedars Sinai Medical Center, Los Angeles, CA



## Education/Training

487. Development of critical thinking among health professions students: an updated systematic review and meta-analysis of longitudinal studies.

*Matthew Reale, Pharm.D., BCCCP*<sup>1</sup> Benjamin Witt, Pharm.D., BCPS,<sup>2</sup> Daniel Riche, Pharm.D., FCCP, BCPS, CDE, ASH-CHC,<sup>3</sup> William Baker, Pharm.D., FCCP, FACC,<sup>4</sup> Michael Peeters, Pharm.D., MEd, FCCP, BCPS;<sup>5</sup> (1)Mercy Medical Center, Canton, OH; (2)University of Utah Health Care, Salt Lake City, UT; (3)University of Mississippi School of Pharmacy, Jackson, MS; (4)University of Connecticut School of Pharmacy, Storrs, CT; (5)University of Toledo College of Pharmacy and Pharmaceutical Sciences, Toledo, OH

## Endocrinology

488. Quality of the evidence on barriers to medication adherence in patients with diabetes mellitus: a systematic review of systematic reviews.

*Ahmed Awaisu, Ph.D.*<sup>1</sup> Myriam Jaam, BScPharm,<sup>2</sup> Mohamed Izham MI, Ph.D.,<sup>2</sup> Nadir Kheir, Ph.D.<sup>1</sup>; (1)Clinical Pharmacy and Practice Section, College of Pharmacy, Qatar University, Doha, Qatar; (2) College of Pharmacy, Qatar University, Doha, Qatar

## Gastroenterology

489. Doxycycline for the eradication of *Helicobacter pylori*: a meta-analysis.

*Pramodini Kale-Pradhan, Pharm.D., FCCP*<sup>1</sup> Reem Ismail, B.S.,<sup>2</sup> Chandni Patel, B.S.,<sup>2</sup> Sheila Wilhelm, Pharm.D., FCCP, BCPS<sup>3</sup>; (1)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences, Detroit, MI; (3)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and Harper University Hospital, Detroit, MI

## Women's Health

503. SSRI use in pregnancy and congenital heart defects: a meta-analysis of population-based cohort studies.

*Elizabeth Kowalik, Pharm.D. Candidate*<sup>1</sup> Kristina Ward, B.S., Pharm.D., BCPS,<sup>2</sup> Yizhou Ye, B.S., Ph.D. Candidate<sup>2</sup>; (1)University of Rhode Island College of Pharmacy, Kingston, RI; (2)Department of Pharmacy Practice, University of Rhode Island College of Pharmacy, Kingston, R



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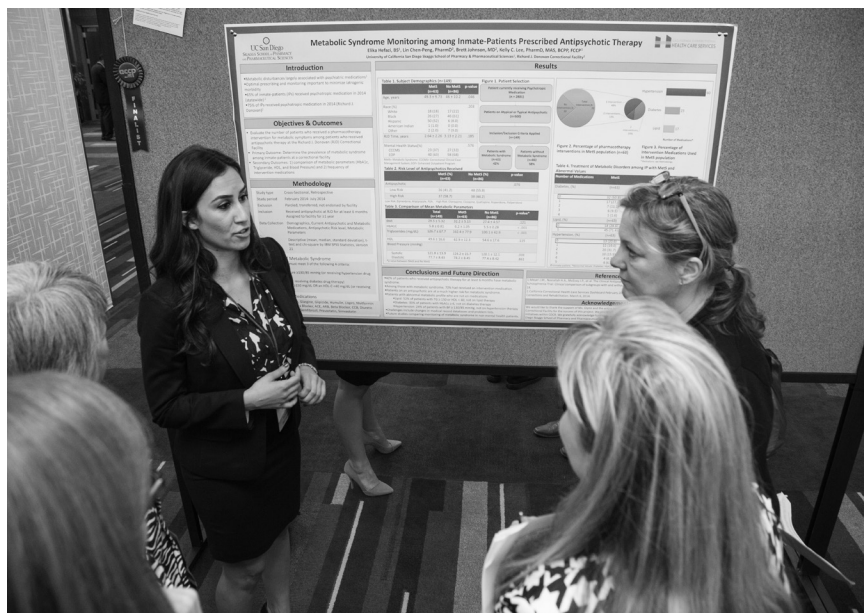
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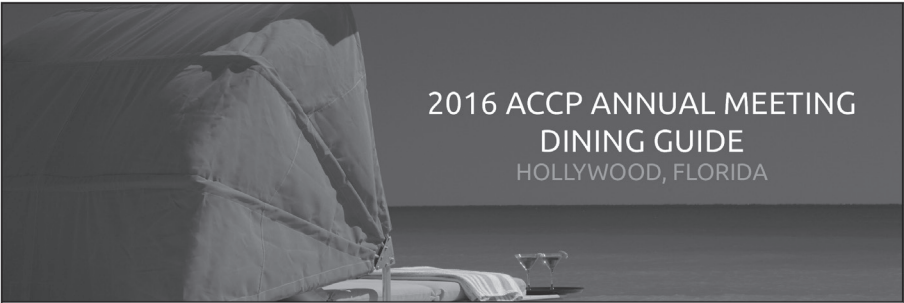
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## 2016 ACCP ANNUAL MEETING DINING GUIDE HOLLYWOOD, FLORIDA

*(Photo courtesy of Diplomat Resort & Spa)*

### Downtown Dining

#### AMERICAN & BISTRO

Lola's on Harrison	2032 Harrison Street	954-927-9851
The Tippy Boar	1906 Harrison Street	954-920-2627
Vino	1910 Harrison Street	954-929-8686
Whiskey Tango All-American Bar & Grill	1903 Hollywood Blvd	954-925-2555

#### ASIAN

Chinatopia	1824 Harrison Street	954-925-8884
Go Bistro	2035 Hollywood Blvd	754-263-2826
Huang's Mandarin House	2031 Hollywood Blvd	954-923-1688
Iron Sushi	1805 N. Young Circle	954-927-1735
Nakorn Thai & Sushi	1935 Harrison Street	954-921-1200
Pho Vi	1933 Hollywood Blvd	954-367-7786
Red Thai & Sushi	1924 Hollywood Blvd	954-921-1988
Sushi Room	1810 S. Young Circle	954-922-1103

#### COFFEE, DESSERT & CONFECTIONERS

Atelier 3	1901 Harrison Street	954-505-3843
Chocolada	1923 Hollywood Blvd	954-920-6400
Danish Pastry Co.	2031 Tyler Street	954-362-4366
El Cafecito	1852 Polk Street	786-436-1888
Kilwin's	1907 Hollywood Blvd	954-367-2872
La Bonne Adresse	2003 Harrison Street	954-927-6458
Starbucks	1801 N. Young Circle	954-924-1587
Sub Zero Ice Cream & Yogurt	1815 N. Young Circle	954-544-4149

#### DELI, SANDWICH & TAKEOUT

Corner Café	119 N. 20th Avenue	954-629-1222
J28 Sandwich Bar	1854 N. Young Circle	754-208-2902
Parrot Coffee & Gourmet Deli	1917B Hollywood Blvd	954-929-0888
Subway Sandwiches & Salads	1717 E. Young Circle	954-922-3741



## Hollywood Dining Guide

EASTERN EUROPEAN		
Europa Social Club	2009 Harrison Street	954-929-0777
FRENCH		
Bistro 1902	1902 Hollywood Blvd	954-689-2229
Face Restaurant & Bar	2022 Hollywood Blvd	754-263-2811
La Flambee	2051 Hollywood Blvd	954-613-5726
Le Comptoir	1902 Harrison Street	954-399-9519
Monaco	2033 Harrison Street	954-589-5744
IRISH		
Mickey Byrne's Irish Pub & Restaurant	1921 Hollywood Blvd	954-921-2317
ITALIAN		
Cinquecento	1931 Hollywood Blvd	954-927-1815
Fascino's	1900 Harrison Street	954-589-0200
La Vendetta	1909 Hollywood Blvd	954-404-6321
Lino's Pizza	1817 N. Young Circle	954-929-7575
Mama Mia Italian Ristorante	1818 S. Young Circle	954-923-0555
Mauro's Pizza	1904B Hollywood Blvd	954-929-4001
Papa John's Pizza	1862 N. Young Circle	954-929-3100
Perrone's	1885 Hollywood Blvd	954-921-7009
Pizza Rustica	1928 Hollywood Blvd	954-923-3878
JAMAICAN		
Ginger Bay Café	1908 Hollywood Blvd	954-924-1844
R.E.D. Stripe Café	2001 Harrison Street	954-818-0885
MIDDLE EASTERN / MEDITERRANEAN		
A La Turca	1848 Harrison Street	954-925-5900
Caravan Grill	1719 E. Young Circle	954-246-0770
The Greek Joint	1925 Hollywood Blvd	954-929-9966
Shabo's Barbecue	1840 Harrison Street	954-921-6667
SPANISH / LATIN		
Angus Bar & Grill (Argentine)	1917 Hollywood Blvd	954-920-8118
Buleria (Spanish)	2051B Hollywood Blvd	954-362-7026
Cabo Blanco (Peruvian/Cuban)	1936 Hollywood Blvd	954-251-2230
Kussifay (Argentine)	2050 Hollywood Blvd	954-842-2396
La Huaca (Peruvian)	2000 Harrison Street	954-239-8722
Las Delicias Peruanas (Peruvian)	2023 Hollywood Blvd	954-923-2999
Los Pinchos (Colombian)	1940 Hollywood Blvd	954-923-0200
Orale (Mexican)	2041 Hollywood Blvd	954-367-6795
Runas Peruvian Cuisine (Peruvian)	219 N. 21st Avenue	954-614-2094
Sansushito (Peruvian Sushi)	121 N. 20th Avenue	954-703-4770
Spice Resto-Lounge (Latin Fusion)	1934 Hollywood Blvd	954-923-3888
Takitos Restaurant (Mexican)	1926 Hollywood Blvd	954-921-1946

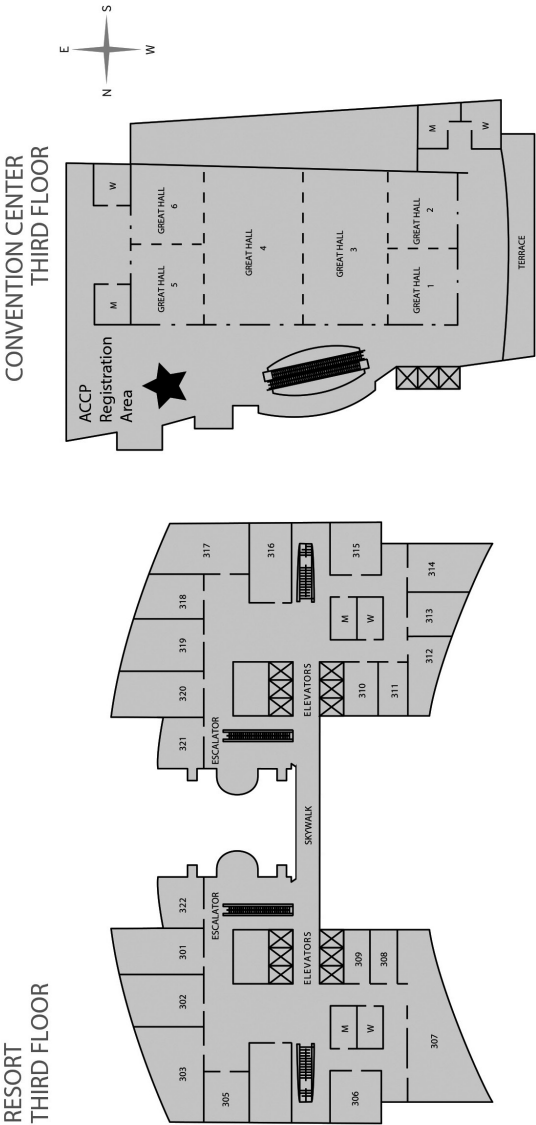
Tardes Calenas (Colombian)	2025A Hollywood Blvd	954-391-7542
<b>BARS &amp; NIGHTLIFE</b>		
G's Place	201 N. 21st Avenue	954-920-9099
Ginger Bay Café	1908 Hollywood Blvd	954-924-1844
Hollywood Vine	2035 Harrison Street	954-922-2910
Mickey Byrne's Irish Pub & Restaurant	1921 Hollywood Blvd	954-921-2317
Montecristo Lounge	1928A Harrison Street	954-364-7660
Mystic Water Kava Bar	1820 S. Young Circle	954-496-6090
Octopus's Garden	1942 Hollywood Blvd	954-924-2525
PRL Euro Cafe	1904A Hollywood Blvd	954-980-8945
R.E.D. Stripe Café	2001 Harrison Street	954-818-0885
Social Room	1916 Harrison Street	954-248-6950
Spice Resto-Lounge	1934 Hollywood Blvd	954-923-3888
Tekila Bar Club	1926 Hollywood Blvd	954-589-0646
The Topsy Boar	1906 Harrison Street	954-920-2627
Toby's Billiards	2004 Hollywood Blvd	954-925-7799
Whiskey Tango All-American Bar & Grill	1903 Hollywood Blvd	954-925-2555
<b>Oceanfront Dining</b>		
<b>AMERICAN &amp; BISTRO</b>		
Bonnie & Read's	500 N. Broadwalk	954-923-6969
Broadwalk Restaurant & Grill	1400 N. Broadwalk	954-922-0322
Hollywood Grill	905 N. Broadwalk	954-272-2525
McGowan's of Hollywood	298 Arizona Street	954-923-4885
Nick's Bar & Grill	1214 N. Broadwalk	954-920-2800
Ocean 13 Sports Bar & Grill	3111 N. Surf Road	954-613-4026
Subway	1201 N. Broadwalk	954-929-7827
<b>ASIAN</b>		
Sushi-Thai on the Beach	300 S. Broadwalk	954-927-9511
Umi Sushi	901 N. Broadwalk	954-272-2525
<b>COFFEE &amp; DESSERT</b>		
Ben & Jerry's	1202 N. Broadwalk	954-929-7085
Edy's of Hollywood	600 N. Surf Road	954-927-8593
Haagen-Dazs Ice Cream Shoppe	814 N. Broadwalk	954-923-8888
Surf 'N' Spray Cafe	1404 N. Broadwalk	954-927-6277
Yogurt UR Way Cafe	1000 N. Broadwalk	954-399-9840
<b>FRENCH</b>		
La Brochette Grill	911 N. Broadwalk	954-920-0033
Les Artistes Café & Sandwicherie	313 Johnson Street	754-263-3436
<b>ITALIAN</b>		
Florio's of Little Italy	200 Garfield Street	954-925-0004
Little Venice	909 N. Broadwalk	954-923-7960

Rocco's Pizza	205 Johnson Street	954-926-3305
Sapore di Mare	707 N. Broadwalk	954-920-4304
Sardelli's Italian Steakhouse	331 Van Buren Street	954-921-8331
<b>MEDITERRANEAN</b>		
Istanbul Restaurant	707 N. Broadwalk	954-921-1263
Oasis By the Sea	1209 N. Surf Road	954-922-4800
Sahara International	1211 N. Surf Road	954-923-8614
<b>SPANISH / LATIN</b>		
Blue Wave (Argentine)	901 N. Broadwalk	954-544-3874
El Tayta on the Beach (Peruvian)	600 N. Surf Road	954-923-1500
Mamacita's Mexican Bar & Grill (Mexican)	591 N. Broadwalk	954-921-7988
Pachamanka on the Beach (Peruvian)	321 Johnson Street	954-920-8222
Taco Beach Shack (Mexican)	334 Arizona Street	954-920-6523
Taco Spot (Mexican)	1500 N. Broadwalk	305-682-7935
<b>TROPICAL / SEAFOOD</b>		
Latitudes	2501 N. Ocean Drive	954-924-2202
Ocean Alley	900 N. Broadwalk	954-921-6171
Sugar Reef Tropical Bar & Grill	600 N. Surf Road	954-922-1119
<b>BARS &amp; CLUBS</b>		
DP's Bar	200 N. Broadwalk	954-922-7993
Ocean Pub 101	101 N. Ocean Drive	954-921-0990
O'Malley's Ocean Pub	101 N. Ocean Drive	954-920-4062
Hollywood Brewing BrewPub	290 N. Broadwalk	305-414-4757
Riptide Tiki Bar & Restaurant	2300 N. Surf Road	954-921-7667
<b>Dockside Dining</b>		
<b>AMERICAN &amp; BISTRO</b>		
Billy's Stone Crab	400 N. Ocean Drive	954-923-2300
Capone's Flicker-Lite	1014 N. Ocean Drive	954-922-4232
Diplomat Prime	3555 S. Ocean Drive	954-602-6000
GG's Waterfront Bar & Grill	606 N. Ocean Drive	954-929-7030
Giorgio's Bakery Market	800 N. Ocean Drive	954-929-5550
Le Tub Saloon	1100 N. Ocean Drive	954-921-9425
<b>MEDITERRANEAN</b>		
Taverna Opa	404 N. Ocean Drive	954-929-4010
<b>TROPICAL / SEAFOOD</b>		
Joe's Tiki Bar Grill & Sushi	1318 N. Ocean Drive	954-929-9897
<b>BARS &amp; CLUBS</b>		
Elements Bistro	4000 S. Ocean Drive	954-454-4334
Lava Tiki Bar & Grille	4000 S. Ocean Drive	954-454-4334



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