

PRESIDENT'S COLUMN

Precision Medicine: Updates on Progress

In my spring PRN update, I discussed the ACCP Board of Regents' recently revised and updated strategic plan (www.accp.com/docs/about/ACCP_Strategic_Plan.pdf) and its intersection with my presidential theme of precision medicine. It has been a busy year for all of us, with many significant accomplishments that I would like to share with you.

Consistent with its strategic plan, ACCP seeks to position clinical pharmacists by communicating their value, and along these lines, two papers have been developed. Led by Kelly Caudle, the PK/PD/PG PRN has written an opinion paper titled "Application of Precision Medicine Across Pharmacy Specialty Areas." This paper brings together the collective wisdom of the ACCP PRNs to describe the status of precision medicine across the therapeutic specialties. An important insight discussed in this paper is that pharmacists have been incorporating precision medicine approaches into their practices for decades. Pharmacists have led therapeutic drug monitoring efforts and individualized dosing approaches to improve therapeutic outcomes for their patients and are well positioned to incorporate novel genomic information into routine patient care. Another important insight from this paper is the depth and breadth of genomic information used by clinical pharmacists to guide patient care. From whole exome sequencing of cancers to select drug therapy, to the bacterial genome to track drug resistance, ACCP PRN members are practicing at the forefront of the genomics revolution.

In a parallel, coordinated effort, the 2019 ACCP Clinical Practice Affairs Committee, led by Kevin Hicks and Christina Aquilante, was charged with developing a complementary ACCP white paper to articulate real-world clinical applications of precision medicine (specifically, "precision pharmacotherapy") to today's clinical pharmacist practice. The committee's draft manuscript, "ACCP

White Paper on Precision Pharmacotherapy – Focus on Pharmacogenomics," extensively describes the state of pharmacogenomics incorporation into clinical practice, education, and research. The paper also defines the key steps needed to continue advancing the field of precision medicine, with clinical pharmacists at the forefront.

Consistent with the recommendations outlined in the white paper, ACCP offers several programs for clinical pharmacists desiring to enhance their implementation and research skills. Brand new is the ACCP Academy's certificate program Precision Medicine: Applied Pharmacogenomics, a practice-based activity designed to help clinical pharmacists understand how genetic factors influence the efficacy and adverse effects of drug therapy. The program starts September 15 and is a mix of online and in-person learning, culminating in a 1-day workshop on October 23 at the upcoming ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. I would like to encourage clinical pharmacists with an interest in incorporating pharmacogenomics into their practice to attend. Register at www.accp.com/PGx.

The ACCP FIT and MeRIT programs (<https://www.accpri.org/investigator>) are exceptional mechanisms for delivering precision medicine training. The FIT Program, designed for experienced researchers, is a 5-day in-person program focused on grant proposal development. Investigators with a draft grant proposal spend most of the program revising their proposal to enhance its competitiveness. The MeRIT Program is a 2-year longitudinal program designed for pharmacists with modest research experience. The program provides a mentored research experience through live programming and webinars that takes a research project from an idea to a publication. I'm excited to announce that the 2019 FIT/MERIT programs will be held June 17–21 at the University of Kentucky College of Pharmacy in beautiful Lexington, and I encourage all PRN members wishing to expand their research skills and network to attend. Applications will be available in October, with letters of intent due February 28, 2019.

ACCP is fortunate to count among its members many leaders in the science, practice, and implementation of precision medicine. I thank the ACCP members who have contributed their time, energy, and expertise to these important initiatives. You have contributed substantially to the College's efforts to position itself as the leading organization in supporting precision medicine research and implementation.

I invite all members to contact me at jill.kolesar@uky.edu with any additional thoughts, suggestions, or plans for incorporating precision medicine into your research, teaching, and practice.

PRN ELECTION RESULTS ANNOUNCED

Recently, members voted for their choice of future leaders for their respective practice and research networks (PRNs). Please join ACCP in recognizing both the newly elected members and those who are continuing to serve their respective PRNs in the coming year.

2018 PRN Election Results

Adult Medicine PRN

- **Chair-Elect:** Ryan Owens
- **Secretary/Treasurer:** Carmen Smith

Ambulatory Care

- **Chair-Elect:** Gregory Castelli
- **Treasurer:** Ann Philbrick

Cardiology

- **Chair-Elect:** James Coons
- **Secretary/Treasurer:** Andrew J. Smith

Central Nervous System

- **Chair-Elect:** Ashley M. McCormick
- **Secretary/Treasurer:** Alyssa M. Peckham

Clinical Administration

- **Chair-Elect:** Cindy Brasher
- **Secretary/Treasurer:** Nitish Bangalore

Critical Care

- **Chair-Elect:** Jeffrey Fong
- **Secretary/Treasurer:** Alex Flannery

Drug Information

- **Chair-Elect:** Rena Gosser
- **Secretary/Treasurer:** Steven Johnson

Education and Training

- **Chair-Elect:** Erica Crannage
- **Secretary/Treasurer:** Sarah Eudaley

Emergency Medicine

- **Chair-Elect:** Molly Mason
- **Secretary/Treasurer:** Elise L. Metts

Endocrine and Metabolism

- **Chair-Elect:** Diana Isaacs
- **Secretary/Treasurer:** Emily Scopelliti

Geriatrics

- **Chair-Elect:** Kalin M. Clifford
- **Secretary/Treasurer:** Julianna Fernandez

GI/Liver/Nutrition

- **Chair-Elect:** Maria Sheridan
- **Secretary/Treasurer:** Kyle Hampson

Health Outcomes

- **Secretary/Treasurer:** Shubha Bhat

Hematology/Oncology

- **Chair-Elect:** Justin Arnall
- **Secretary/Treasurer:** Brittney Shippee

HIV

- **Chair-Elect:** Thomas Chiampas
- **Secretary/Treasurer:** Sarah Perez

Immunology/Transplantation

- **Chair-Elect:** Lyndsey Bowman
- **Secretary/Treasurer:** Jennifer Geyston
- **Trainee Officer:** Felicia Bartlett

Infectious Diseases

- **Chair-Elect:** Whitney Jones Nesbitt
- **Secretary/Treasurer:** Monica Mahoney

Global Health

- **Chair-Elect:** Susie J. Crowe
- **Secretary/Treasurer:** Rebecca Cope

Nephrology

- **Chair-Elect:** Calvin Meaney

Pain and Palliative Care

- **Chair-Elect:** Kathryn Anne Walker
- **Secretary/Treasurer:** Nhi Tran

Pediatrics

- **Chair-Elect:** Kirsten Ohler
- **Secretary/Treasurer:** Katie Ellis

Perioperative Care

- **Chair-Elect:** Eric G. Johnson
- **Secretary:** Amanda Giancarelli
- **Treasurer:** Gourang Patel

Pharmaceutical Industry

- **Chair-Elect:** Brian Faley
- **Secretary/Treasurer:** David R. Luke

Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics

- **Chair-Elect:** Roseann S. Gammal
- **Secretary/Treasurer:** James M. Stevenson

Pulmonary

- **Chair-Elect:** Lori Wilken
- **Secretary/Treasurer:** Brittany D. Bissell

Women's Health

- **Chair-Elect:** Kylie N. Barnes
- **Secretary/Treasurer:** Lauren D. Leader
- **Public Policy Liaison:** Ashley H. Meredith (Vincent)

PRNs to Present Educational Focus Sessions at 2018 Global Conference

ACCP PRNs consistently deliver high-quality educational activities each year. This tradition of excellence will continue during the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. The schedule and topics for all PRN focus sessions follow.

PRN Business and Networking Forums

Tuesday, October 23

Health Outcomes PRN Focus Session – Demystifying NIH Funding Mechanism

2:15 p.m. to 3:45 p.m. (PDT)

Location: Washington State Conference Center

Adult Medicine PRN and HIV PRN Focus Session – HIV Continuity, Part I: HIV Updates for the Inpatient Practitioner

2:15 p.m. to 3:45 p.m. (PDT)

Location: Washington State Conference Center

HIV PRN and Ambulatory Care PRN Focus Session – HIV Continuity, Part II: Primary Care Management of Individuals Living with HIV

4:00 p.m. to 5:30 p.m. (PDT)

Location: Washington State Conference Center

Clinical Administration PRN Focus Session – Integration of Multihospital Health Systems Among Community and Academic Medical Centers

4:00 p.m. to 5:30 p.m. (PDT)

Location: Washington State Conference Center

Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN and Geriatrics PRN Focus Session – Impact of Aging on PK/PD/PG Parameters in Older Adults

4:00 p.m. to 5:30 p.m. (PDT)

Location: Washington State Conference Center

Monday, October 22

Pediatrics PRN Focus Session – Growing Pains: Pediatric Pain Management

1:45 p.m. to 3:15 p.m. (PDT)

Location: Washington State Conference Center

Infectious Diseases PRN Focus Session – Challenges in Antimicrobial Stewardship: Doing More with Less

1:45 p.m. to 3:15 p.m. (PDT)

Location: Washington State Conference Center

Immunology/Transplantation PRN Focus Session – Opioid Use and Outcomes in Solid Organ Transplantation – From Suitability Evaluation to Post-transplant Management

3:30 p.m. to 5:00 p.m. (PDT)

Location: Washington State Conference Center

Education and Training PRN Focus Session – One More Time: Remediation of Pharmacy Learners

3:30 p.m. to 5:00 p.m. (PDT)

Location: Washington State Conference Center

Tuesday, October 23

GI/Liver/Nutrition PRN Focus Session – Intestinal Failure–Associated Liver Disease (IFALD)

1:15 p.m. to 2:45 p.m. (PDT)

Location: Washington State Conference Center

Pain and Palliative Care PRN Focus Session – Opioid Stewardship: A Quality Improvement Approach

1:15 p.m. to 2:45 p.m. (PDT)

Location: Washington State Conference Center

Nephrology PRN Focus Session – Can We Personalize Medicine in Patients with Kidney Disease?

1:15 p.m. to 2:45 p.m. (PDT)

Location: Washington State Conference Center

Central Nervous System PRN Focus Session – Cannabis Safety and Efficacy for CNS Conditions: A Debate

1:15 p.m. to 2:45 p.m. (PDT)

Location: Washington State Conference Center

Emergency Medicine PRN Focus Session – Expanding the Horizon of Emergency Medicine Pharmacy Practice in the United States and Abroad

1:15 p.m. to 2:45 p.m. (PDT)

Location: Washington State Conference Center

Critical Care PRN Focus Session – Blowing Your Mind: Navigating Neurologic Controversies in Critically Ill Patients

3:00 p.m. to 4:30 p.m. (PDT)

Location: Washington State Conference Center

Global Health PRN Focus Session – Global Health in Our Backyard: Recognizing the Health Care Needs of Underserved Migrant, Refugee, and Native American Communities

3:00 p.m. to 4:30 p.m. (PDT)

Location: Washington State Conference Center

Endocrine and Metabolism PRN Focus Session – New Kids on the Block: New and Emerging Agents in Endocrinology

3:00 p.m. to 4:30 p.m. (PDT)

Location: Washington State Conference Center

PRNS TO HOST BUSINESS MEETINGS AND NETWORKING FORUMS AT 2018 GLOBAL CONFERENCE

ACCP PRNs provide a focal point for clinical pharmacists with common interests and needs in practice, research, and education. Each PRN hosts a business meeting and networking forum at the ACCP Annual Meeting/Global Conference on Clinical Pharmacy. All meeting registrants are invited to attend these events. A complete listing of PRN business meetings and networking forums follows. (Please check the ACCP web site, www.accp.com/meetings/gc18/schedule.aspx, for PRN business meeting locations.)

Sunday, October 21: 6:30 p.m. to 8:30 p.m. (PDT)

- Adult Medicine PRN
- Ambulatory Care PRN
- Cardiology PRN
- Drug Information PRN
- Education and Training PRN
- Emergency Medicine PRN
- GI/Liver/Nutrition PRN
- Hematology/Oncology PRN
- HIV PRN
- Nephrology PRN
- Pain and Palliative Care PRN
- Pediatrics PRN
- Pharmaceutical Industry PRN
- Pulmonary PRN

Monday, October 22: 6:30 p.m. to 8:30 p.m. (PDT)

- Central Nervous System PRN
- Clinical Administration PRN
- Critical Care PRN
- Endocrine and Metabolism PRN
- Geriatrics PRN
- Global Health PRN
- Health Outcomes PRN
- Immunology/Transplantation PRN
- Infectious Diseases PRN
- Perioperative Care PRN
- PK/PD/PG PRN
- Women's Health PRN

PRN NEWS BRIEFS Ambulatory Care PRN

Promotions

- **Carrie Martin Blanchard:** Research Assistant Professor, UNC Eshelman School of Pharmacy.
- **Krystal L. Edwards:** Full Professor effective September 1, 2018.
- **S. Mimi Mukherjee:** Associate Professor of Pharmacy Practice, MCPHS University –Worcester/Manchester.
- **Maria Miller Thurston:** Clinical Associate Professor.
- **Daniel R. Touchette:** Full Professor.
- **Autumn Zuckerman:** Program Director of Health Outcomes and Research at Vanderbilt Specialty Pharmacy.

Awards

- **Laura Challen:** Missouri Society of Health-System Pharmacists, Preceptor of the Year Award (May 2018).
- **Lucas Hill:** Texas Pharmacy Association Generation Rx Champion Award.
- **UT School of Undergraduate Studies Distinguished University Lecturer.**

- **Adriane Irwin:** Distinguished Faculty Award for Excellence, Oregon Health & Science University, May 2018.
- **Shannon A. Miller:** Teacher of the Year Award, UF College of Pharmacy.
- **Maria Miller Thurston:** AACP Award for Excellence in Assessment.
- **Joyanna “Joy” Wright:** DCPA Sidney Simkowicz Pharmacy Involvement Award.
- **Autumn Zuckerman:**
Carl Wayne Shaddix Award Pharmacy Practitioner of Excellence Award, Samford University McWhorter School of Pharmacy.
National Association of Specialty Pharmacy 2017 Abstract Poster Award – Third Place; September 2017.

Grants

- **Lucas Hill:** Principal Investigator: Texas Targeted Opioid Response Overdose Prevention Project. Texas Health & Human Services Commission (\$2,587,149). 2017–2019.
- **Marissa Salvo:** Co-Investigator in the grant “State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors and Promote School Health-Pharmacy Initiative.” This 5-year grant was initially funded in 2013 by the Centers for Disease Control and Prevention through the Connecticut Department of Public Health; a 3-month extension (June 30 – September 29, 2018) of \$20,000 was awarded to continue the project.

Publications

- Ai A, Wong A, **Amato M**, Wright A. Communication failure: prescribers’ use of an internal free-text field on electronic prescriptions. *J Am Med Inform Assoc* 2018;25:709-14. First published online 21 February 2018.
- Cheng CM, Salazar A, **Amato M**, Lambert BL, Volk L, Schiff G. Using drug knowledge base information to distinguish between commonly confused drugs. *J Am Med Inform Assoc* 2018. First published online May 22, 2018.
- Kron K, Myers S, Volk L, Nathan A, Neri P, Salazar A, **Amato MG**, Wright A, Karmiy S, McCord S, Seoane-Vazquez E, Egualé T, Rodriguez-Monguió R, Bates DW, Schiff G. Incorporating medication indications into the prescribing process. *Am J Health Syst Pharm* 2018;75:774-83. Published ahead of print on April 19, 2018.
- Wong A, **Amato MG**, Seger DL, Rehr CA, Wright A, Slight SP, Beeler PE, Orav EO, Bates DW. Prospective evaluation of medication-related clinical decision support overrides in the intensive care

unit. *BMJ Qual Saf*. Published online ahead of print February 9, 2018.

- **Bagwell A**, Kelley T, Carver A, Lee JB, Newman B. Advancing patient care through specialty pharmacy services in an academic health system. *J Manag Care Spec Pharm* 2017;23:815-20.
- **Hill L.** Harm reduction approaches to opioids. In: Schepis TS, ed. *The Prescription Drug Abuse Epidemic: Incidence, Prevention, Treatment, and Policy*. Santa Barbara, CA: ABC-CLIO, 2018:227-41.
- Herink MC, **Irwin AN**, Zumach GM. FDA breakthrough therapy designation: evaluating the evidence behind the approvals. *Pharmacotherapy* 2018. [Epub ahead of print]
- Jobin J, **Irwin AN**, Pimentel J, Tanner M. Accuracy of medication histories collected by pharmacy technicians during hospital admission. *Res Social Adm Pharm* 2018;7:695-9.
- Peck A, **Irwin AN**. Lessons learned from implementation of a “geriatric-friendly” admission order set. *J Pharm Tech* 2018;34:181-2.
- **Ling H***, Andrews E, Ombengi D, Li F. Extended duration dual antiplatelet therapy after percutaneous coronary intervention in patients with peripheral arterial disease: a meta-analysis. *Cardiol Res* 2018;9:137-43.
- **Plakogiannis R**, Mola A, Sinha S, Oh H, Stefanidis A, Katz S. Impact of pharmacy student driven post discharge telephone calls on heart failure hospital readmission rates: a pilot program. *Hosp Pharm* April 2018.
- Whalley AS, **Salvo MC**, Levine SF, Chamberlin KW, Beaudoin D. Evaluation of pharmacist involvement in outpatient transitions of care. *J Gen Intern Med* 2018. [Epub ahead of print]
- **Sigler MA**, Congdon L, **Edwards KL**. An evidence-based review of statin use in patient with nonalcoholic fatty liver disease. *Clin Med Insights Gastroenterol* 2018;11:1179552218787502.
- Eltaki S, **Singh-Franco D**, Leon D, Nguyen M, Wolowich WR. Allocation of faculty and curricular time to the teaching of transitions of care concepts by colleges of pharmacy. *Curr Pharm Teach Learn* 2018;10:701-11.
- Joyner KR, **Soric MM**, Boyle JA, Moorman JM, Fredrickson ME, Turosky JZ, Kleven CL. Mineralocorticoid receptor antagonist utilization in a nationally representative heart failure with reduced ejection fraction outpatient population: a cross-sectional study. *Am J Ther* 2018. Published ahead of print.
- Rattray DJ, **Whitner Ver Vaet JB**, Lisenby KM. Medication Reconciliation Guidance Document for Pharmacists. Available at <https://www.ashp.org/>

media/assets/pharmacy-practice/resource-centers/ambulatory-care/medication-reconciliation-guidance-document-for-pharmacists.ashx?la=en&ash=8E66CC1F528D577B650D3B19F4A2EE310E68A75B.

- Bullock KC, Gibson C, Howard M, Liu J, Tatachar A, **Yuet WC**. Use of the muddiest point technique as an exam review in an integrated pharmacotherapy course. *Curr Pharm Teach Learn* 2018. In press.
- **Zuckerman A**, Chastain CA, Naggie S. Retreatment options following HCV direct acting antiviral failure. *Curr Treat Options Infect Dis* 2017;9:389-402.
- **Zuckerman A**, Douglas A, Nwosu S, Choi L, Chastain C. Increasing success and evolving barriers in the hepatitis C cascade of care during the direct acting antiviral era. *PLoS One* 2018;13:e0199174.

Other Notable Achievements

- **Kyle Bertram**: BCACP.
- **Hua Ling**: Academic Editor, *Medicine*, an open access peer-reviewed medical journal published by Wolters Kluwer.
- **Roda Plakogiannis**: Member Spotlight (page 30), *Lipid Spin* Publication of the National Lipid Association.
- **Edward Saito**: PGY2 Ambulatory Care Residency Program Director, Pacific University/Virginia Garcia Memorial Health Center.
- **Joyanna “Joy” Wright**: Running for FPA President-Elect.

Adult Medicine PRN

Members of the Adult Medicine PRN have been advancing its initiatives by expanding its monthly pharmacy resident journal clubs to include student presentations and developing new criteria to support members for ACCP investigator training programs and seed grant funding. The PRN's social media presence also continues to grow (Twitter: @accpamedprn; Facebook: www.facebook.com/accpamedprn) to help connect the PRN's members and facilitate communication regarding research and evidence-based medicine. Adult Medicine PRN members have also persistently been advancing adult medicine pharmacotherapy through innovative patient care and research, as evidenced by the recent accomplishments noted in the text that follows.

Promotions

- Jeremy Vandiver: Clinical Associate Professor, University of Wyoming School of Pharmacy.

Awards

- **Sarah L. Anderson**: Denver Health Quality, Safety, and Service Team Award for improving safety and quality for anticoagulation patients, June 2018.
- **Jennifer Austin Szwak**: Choosing Wisely Challenge Winner for “Nebs No More After 24” Initiative.
- **Alex Ebied**: Pharmacy Recurring Opportunity Seed Program for Education and Research Award.
- **Caitlin Gibson**: M.E.T. Award for Outstanding Junior Faculty Achievement from the University of North Texas System College of Pharmacy.
- **Aaron Hartmann**: St. Louis College of Pharmacy Clinical Pharmacy Excellence Award.
- **Jordan L. Kelley**: UK College of Pharmacy PGY1 Residency Scholarship for devotion to research and publishing.
- **Jeremy Vandiver**: Colorado Pharmacists Society Distinguished Young Pharmacist 2018.

Grants

- **Jennifer Austin Szwak**: University of Chicago Medicine Innovation Grant for “ACT VALUE Program for Asthma and COPD”; funding: \$100,000.

Publications

- **Anderson SL**, Marrs JC. Sacubitril/valsartan: evaluation of safety and efficacy as an antihypertensive treatment. *Drugs Context* 2018;7:212542.
- **Anderson SL**, Marrs JC. The role of the pharmacist in heart failure transition of care. *Adv Ther* 2018;35:311-23.
- Marrs JC, **Anderson SL**, Gabriel C. Role of aldosterone receptor antagonists in heart failure with preserved ejection fraction. *Clin Med Insights Ther* 2018;10:1-9.
- **Christenberry EJ**, Padilla ME, Aguirre M, Loya AM, Aragon L. Reliability of point-of-care international normalized ratio testing in an academic family medicine clinic. *Point Care* 2018;17:55-8.
- Sebaaly J, **Covert K**. Enoxaparin dosing at extremes of weight: literature review and dosing recommendations. *Ann Pharmacother* 2018;52:898-909.
- **D’Angelo RG**, McGinness T, Waite LH. Antithrombotic therapy in patients with atrial fibrillation undergoing percutaneous coronary intervention: where are we now? *Ann Pharmacother* 2018;52:884-97.
- **Ebied AM**, Cooper-DeHoff RM. 2017 is banner year for drug approvals by the Food and Drug Administration. *Am J Med* 2018. [Epub ahead of print]
- **Ebied AM**, Gracey S. Acetazolamide induced sickle cell crisis. *Ann Pharmacother* 2018. [Epub ahead of print]

- **Gibson CM**, Basto AN, Howard ML. Direct oral anticoagulants in cardioversion: a review of current evidence. *Ann Pharmacother* 2018;52:277-84.
- **Gibson CM**, Smith CB, Scalese M. Assessment of apixaban prescribing patterns for non-valvular atrial fibrillation in hospitalized patients. *Ann Pharmacother* 2018;52:54-9.
- **Kabakov A**, Kolanczyk D. Book review of: Soric MM, Schneider SR, Wisneski SS. *The Effective Pharmacy Preceptor*. Bethesda, MD: American Society of Health-System Pharmacists, 2017.
- Hawes EM, **Lambert E**, Reid A, Tong G, Gwynne M. Implementation and evaluation of a pharmacist-led electronic visit program for diabetes and anticoagulation care in a patient-centered medical home. *Am J Health Syst Pharm* 2018;75:901-10.
- **Moore DC**, Arnall JR, Harvey RD. Incidence and management of adverse events associated with panobinostat in the treatment of relapsed/refractory multiple myeloma. *J Oncol Pharm Pract* 2018. [Epub ahead of print]
- **Moore DC**, Lavery L. Olaratumab: a new strategy in the treatment of advanced soft-tissue sarcoma. *J Adv Pract Oncol* 2018;9:235-40.
- **Moore DC**, Ringley JT. Rhabdomyolysis with abiraterone exposure: a review of the Food and Drug Administration Adverse Drug Event Reporting System. *Ann Pharmacother* 2018. [Epub ahead of print]
- Patel J, Ringley JT, **Moore DC**. Case series of docetaxel-induced dorsal hand-foot syndrome. *Ther Adv Drug Saf* 2018;9:495-8.
- Singhi E, **Moore DC**, Muslimani A. Metastatic soft tissue sarcoma: a review of treatment and new pharmacotherapies. *P T* 2018;43:410-5.
- Borghol A, Aucoin M, **Onor I**, Jamero D, Hawawini F. Modafinil for the improvement of patient outcomes following traumatic brain injury. *Innov Clin Neurosci* 2018;15:17-23.
- **Onor IO**, Stirling DL, Williams SR, Bediako D, Borghol A, Harris MB, Darenburg TB, Clay SD, Okpechi SC, Sarpong DF. Clinical effects of cigarette smoking: epidemiologic impact and review of pharmacotherapy options. *Int J Environ Res Public Health* 2017;14:1147.
- Ezebuonyi MC, Brakta F, **Onor IO**, Sarpong DF, Burks KB, Figueroa JE. Evaluation of physician prescribing patterns for antibiotics in the treatment of nonnecrotizing skin and soft tissue infections. *P T* 2018;43:287-92.
- Joyner KR, **Soric MM**, Boyle JA, Moorman JM, Fredrickson ME, Turosky JZ, Kleven CL. Mineralocorticoid receptor antagonist utilization in a

nationally representative heart failure with reduced ejection fraction outpatient population: a cross-sectional study. *Am J Ther* 2018. [Epub ahead of print]

- Hlavacek N, McMillan D, **Vandiver J**. Perioperative management of oral anticoagulation: when and how to hit “pause.” *J Fam Pract* 2018;67:210, 216, 219, 222.
- **Vandiver JW**, Beavers DK. Combining oral anticoagulation and antiplatelet therapies: appropriate patient selection. *J Thromb Thrombolysis* 2018;45:423-31.

New ACCP Fellows

- **Jennifer E. Stark**

Other Notable Achievements

- **Alex Ebied**: Interview with CNN regarding the safety of breakthrough drugs. Available at <https://www.cnn.com/2018/07/17/health/fda-breakthrough-drugs-study/index.html>.
- **Angela Miller**: Evaluation of a pharmacist discharge counseling process in pulmonary hypertension patients. Poster presented at: 2018 Pulmonary Hypertension Association International Pulmonary Hypertension Conference.

Cardiology PRN

Promotions

- **Katherine E. Di Palo**: Director, Hospital Readmissions Reduction Program, Montefiore Medical Center.
- **Ryan B. Jacobsen**: Clinical Associate Professor, University of Iowa College of Pharmacy, Department of Pharmacy Practice and Science, Division of Applied Clinical Sciences.
- **Oksana Kamneva**: Critical Care and Cardiology Pharmacy Manager, UNC REX Healthcare.
- **Amanda Morrill**: Associate Professor of Pharmacy Practice, MCPHS University, School of Pharmacy – Worcester/Manchester.

Awards

- **Lindsay Davis**: Pharmacy Appreciation Award, Arizona Pharmacy Association, in recognition of leadership and contribution to the AzPA Anticoagulation Certificate Program.
- **Shannon Finks**: 2018 SGAEC Excellence in Teaching Award, UTHSC College of Pharmacy.
- **Paul Shaw**: 2017 Kaiser Foundation Health Plan of Colorado Teacher of the Year.

Grants

- **James E. Tisdale** (Principal Investigator): American Heart Association, Transformational Project Award: “Reducing the Risk of Drug-Induced QT Interval Lengthening in Women” (18TPA34170523). July 1, 2018 – June 30, 2021.
- **Benjamin Van Tassell**
Principal Investigator: Single-Site Investigator-Initiated Clinical Trials. National Heart, Lung, and Blood Institute. “The Effects of Interleukin-1 Blockade On Exercise Capacity in Patients with Recently Decompensated Systolic Heart Failure” (1R61HL139943). July 1, 2018 – June 30, 2019.
Co-Investigator: Investigator-Initiated Research Proposal. Olatec Therapeutics LLC. A Phase 1b, Randomized, Double-Blinded, Dose Escalation, Single Center, Repeat-Dose Safety and Pharmacodynamics Study of Orally Administered Dapansutril Capsules in Subjects with NYHA II-III Systolic Heart Failure. May 2018 – April 2019.

Publications

- Bader F, **Atallah B**, Rizk J, et al. Heart transplantation in the Middle East gulf region. *Transplantation* 2018;102:1023-6.
- Bader F, **Atallah B**, Sadik ZG, et al. Nurse-led education for heart failure patients in developing countries. *Br J Nurs* 2018;27:690-6.
- **Ather A**, Laliberte B, **Reed BN**, Schenk A, Watson K, **Devabhakthuni S**, See V. Antithrombotic strategies for patients with atrial fibrillation undergoing percutaneous coronary intervention. *Am J Cardiovasc Drugs* 2018 Jun 19. [Epub ahead of print]
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- Coleman CI, Turpie AGG, Bunz TJ, **Baker WL**, Beyer-Westendorf J. Effectiveness and safety of rivaroxaban versus warfarin for treatment of venous thromboembolism in patients with a known primary hypercoagulable state. *Thromb Res* 2018;163:132-7.
- Coleman CI, Turpie AGG, Bunz TJ, Eriksson D, Sood NA, **Baker WL**. Effectiveness and safety of rivaroxaban versus warfarin in nonvalvular atrial fibrillation patients with a non-sex-related CHA2DS2-VASc score of 1. *Eur Heart J Cardiovasc Pharmacother* 2018 Jul 17. [Epub ahead of print]
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safety of rivaroxaban in patients with cancer-associated venous thrombosis. *J Natl Compr Canc Netw* 2018;16:491-7.

- Martinez BK, Sheth J, Patel N, **Baker WL**, Coleman CI. Systematic review and meta-analysis of real-world studies evaluating rivaroxaban for cancer-associated venous thrombosis. *Pharmacotherapy* 2018;38:610-8.
- Patel N, Gluck JA, Radojevic J, Coleman CI, **Baker WL**. Left ventricular assist device implantation improves glycaemic control: a systematic review and meta-analysis. *ESC Heart Fail* 2018 Jul 27. [Epub ahead of print]
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New ACCP Fellows

- **Scott Bolesta**
- **Steven Dunn**
- **Christopher Ensor**
- **Steven Smith**
- **Diana Sobieraj**

Other Notable Achievements

- **Cynthia Jackevicius**: Fellow of the American College of Cardiology (FACC).
- **Oksana Kamneva**: Director, PGY2 Cardiology Pharmacy Residency Program, UNC REX Healthcare.
- **Tien Ng**: Fellow, American College of Cardiology.
- **James E. Tisdale**: Fellow, American College of Cardiology.

Peer Reviewer, 2018 American Psychiatric Association (APA) Resource Document on QTc Prolongation and Psychotropic Medications.
Abstract Reviewer, 2018 American Heart Association Scientific Sessions.

- **Barbara Wiggins:**

Co-chair, Pharmacology Section, American College of Cardiology Annual Planning Committee.
Chair, Cardiovascular Team Pharmacists Committee, American College of Cardiology.

Central Nervous System PRN

The ACCP CNS PRN elections are under way, and the PRN is accepting applications for the student and resident travel award for the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. A student-directed survey has been developed with guidance from the PRN leadership and will likely be sent to members in the next 1–2 months.

The CNS PRN would like to congratulate the following members on their awards, activities, and accomplishments.

Promotions

- **Peter D. Anderson**: Lieutenant Colonel, Medical Service Corps, U.S. Army Reserve.
- **Marshall E. Cates**: Department Chair, April.
- **Jack J. Chen**: Senior Associate Dean for Academic Affairs, School of Pharmacy, American University of Health Sciences (Signal Hill, California).

Publications

- **Caballero J**, Benavides S, Clauson KA, Hardigan PC, Martinez BK, Llerena V. Non-modifiable determinants of pharmacy residency match rates. *Int J Pharm Pract* 2018;26:81-4.
- **Caballero J**, Ownby RL, Jacobs RJ, Pandya N, Hardigan PC, Cabrera-Ricabal L. Predicting medication adherence in older Hispanic patients with type 2 diabetes. *Am J Health Syst Pharm* 2018;75:e194-e201.
- **Caballero J**, Sedlacek J. Dementia-related disorders MTM data set. In: Whalen K, Hardin HC, eds. *Medication Therapy Management; A Comprehensive Approach*, 2nd ed. New York: McGraw-Hill, 2018:313-24.
- **Chen JJ**, Hewitt LA. Comparison of the pharmacokinetics of droxidopa after dosing in the fed versus fasted state and with 3-times-daily dosing in healthy elderly subjects. *Drugs R D* 2018.
- **Faulkner MA**. Use of α 2 δ ligands for restless legs syndrome/Willis Ekbom disease. *CNS Drugs* 2018;32:149-59.

- **Phan SV.** Phenobarbital monotherapy for alcohol withdrawal syndrome in the non-intensive care unit setting: a review. *Drugs Ther Perspect* 2018;34:429-36.

Other Notable Achievements/Activities

- **Stephanie Nichols:** Will be inducted as a Fellow of ACCP this year.
- **James L. Roerig:** Elected to Alpha Omega Alpha Medical Society – Faculty Membership.

Clinical Administration PRN

Publications

- **Abraham TG,** Huggins C, Diaz-Fuentes G, Roglieri J. Combining pharmacy expertise with asthma educator certification: assessing the impact on inner-city asthma patients. *J Asthma* 2018:1-17. [Epub ahead of print]
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- **McConnell KJ.** 2017 ACC/AHA guidelines for BP management in adult patients. *Pharmacy Today* 2018;24:57-73.
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- **Michalets E,** Harris L. Antifibrinolytics: pharmacologic profile and clinical utilization. In: Topaz On, ed. *Cardiovascular Thrombus: From Pathology and Clinical Presentations to Imaging, Pharmacotherapy and Interventions.* Elsevier, 2018. In press.
- **Michalets EL,** Williams C, Park I. Ten-year experience with student pharmacist research within a health system and education center. *Curr Pharm Teach Learn* 2018;10:316-24.

ASHP Student Leadership Awards

- **Austin Green**
- **Jordan Mendkoff**

Appointments and Promotions

- **Cindy Brasher:**
ACCP Clinical Administration Chair-Elect 2018–2019.
Adjunct Assistant Professor, UNC Eshelman School of Pharmacy.
ASHP SPPM Section Advisory Group on Patient Care Quality 2018–2019.
- **Adriane Irwin:** Distinguished Faculty Award for Excellence, Oregon Health & Science University, May 2018.
- **Karen J. McConnell:** System Director of Clinical Pharmacy Services, Catholic Health Initiatives.
- **Elizabeth Michalets:** Full Professor in the Division of Practice Advancement and Clinical Education, University of North Carolina Eshelman School of Pharmacy.
- **Harminder Sikand:**
Appointed to the ASHP Commission on Credentialing.
Received Full Professor status for UCSF and UCSD.

Critical Care PRN

Promotions

- **Trisha Branan:** University of Georgia College of Pharmacy Clinical Associate Professor.
- **Oksana Kamneva:** Critical Care and Cardiology Pharmacy Manager at UNCREX.

- **Dustin Linn:** Manchester University College of Pharmacy Associate Professor of Pharmacy Practice.
- **Scott Mueller:** University of Colorado Skaggs School of Pharmacy Associate Professor.
- **Nick Peters:** Suburban Hospital Pharmacy Clinical Educator.
- **Edward Van Matre:** University of Tennessee College of Pharmacy Assistant Professor.
- **Matthew Wanat:** University of Houston College of Pharmacy Clinical Assistant Professor.

Awards

- **Anas Mustafa AlHomran:** Board Certification in Critical Care Specialty.
- **Angela Bingham:** Leahy Award for Learning Innovations, University of the Sciences.
- **Kara Birrer:**
Preceptor of the Year 2017–2018, Orlando Regional Medical Center Pharmacy Residency Program Leadership Award for Excellence.
Neurocritical Care Society’s Travel Grant Award for the 16th Annual Meeting.
- **Mitchell Buckley:** SCCM Barry A. Shapiro Memorial Award for Excellence in Critical Care Management.
- **Joe Dasta:** Shubin-Weil Master Clinician/Teacher: Excellence in Bedside Teaching Award, 2018.
- **Chris Droege:**
First Place, GCSHP Best Practices and Research Symposium; Jacob CM, Philpott C, Ernst NE, **Droege CA**, Mueller EW. Pharmacokinetic evaluation of vancomycin in patients receiving continuous renal replacement therapy.
Second Place, GCSHP Best Practices and Research Symposium; Waugh PA, Keegan SP, **Droege CA**, Ernst NE, Mueller EW. Validation of an argatroban dosing protocol in an academic medical center: a retrospective, single health-system cohort study
Nomination: Rho Chi Lecture Award; the Rho Chi Society; the University of Cincinnati James L. Winkle College of Pharmacy.
Presidential Citation – Society of Critical Care Medicine.
- **Alex Flannery:** CHEST Foundation Travel Grant.
- **Lana Gettman:** 2017–2018 Teacher Achievement Award.
- **Mojdeh Heavner:** Critical Care PRN Clinical Practitioner Award.
- **Scott Mueller:** Presidential Teaching Award.
- **Janise Phillips:** 2018 Cleveland Clinic Abu Dhabi Safety Champion.
- **John Radosevich:**
2017–2018 APPE Preceptor of the Year –
Midwestern University (Glendale).

PGY1 Preceptor of the Year – St. Joseph’s Hospital & Medical Center.

- **Paul Reynolds:** Distance Degree Educator of the Year.
- **Pamela Smithburger:** Rufus A. Lyman Award for outstanding article in the *American Journal of Pharmaceutical Education* 2018.
- **Matthew Wanat:** Young Investigator Award and Top Rated Poster – International Society of Thrombosis and Hemostasis Congress, Dublin Ireland.

Grants

- **Melissa Thompson Bastin:** 2018 ASHP Foundation Practice Advancement Initiative Grant \$75,000 grant. “Implementing a Pharmacist-Managed Personalized Medicine Dosing Protocol for Beta-Lactam Antibiotics in Critically Ill Patients: A Prospective Observational, Sequential Period, Pilot Study.”
- **Brittany D. Bissell:** ASHP Foundation New Investigator Grant.
- **Scott Bolesta:** Continued Faculty and Peer-To-Peer Mentored Research in Cardiovascular Science. Submitted March 2018; Wilkes University. Amount requested: \$7314 in direct costs. Submitted. Funding period: 06/01/2018 – 08/31/2018. Receiving agency/agent: Wilkes University. Funded for \$6877.
- **Alex Flannery:** Co-Investigator for ASHP Pharmacy Practice Advancement Demonstration Grant (Principal Investigator M. Thompson Bastin) and ASHP New Investigator Research Grant (Principal Investigator B. Bissell).
- **Mojdeh Heavner:** Peter Lamy Center on Drug Therapy and Aging Pilot Funds for Aging Research. Title: Assessing the Relationship of Sleep and Circadian Pattern to Incidence of Delirium in Older Critically Ill Patients; funding: \$5000; role: Co-Investigator.
- **Soo Min Jang:** Merck, internal funding within Loma Linda University School of Pharmacy.

Publications

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hypophosphatemia during recovery from fulminant hepatic failure: a case report. *J Intensive Care Med* 2018;33:375-9.

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- McCleary EJ, Thompson Bastin ML, **Bissell BD**, Cook AM, Pierce CA, Flannery AH. Development of a co-precepting model for a preceptor-in-training program for new practitioners. *Hosp Pharm* 2018. [Epub ahead of print]
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- Srour H, Pandya K, **Flannery A**, Hatton K. Enteral guanfacine to treat severe anxiety and agitation complicating critical care after cardiac surgery. *Semin Cardiothorac Vasc Anesth* 2018 Apr 1. [Epub ahead of print]
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- McCleary EJ, Thompson Bastin ML, Bissell BD, Cook AM, Pierce CA, **Flannery AH**. Development of a co-precepting model for a preceptor-in-training program for new practitioners. *Hosp Pharm* 2018. [Epub ahead of print]
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- Lee YJ, **Gettman L**. Descriptive analysis of acceptance by prescribers and economic benefit of pharmacist recommended interventions in a critical care unit. *Innov Pharm* 2018;9.
- **Groth CM**, Acquisto NM, Khadem T. Current practices and safety of medication use during rapid sequence intubation. *J Crit Care* 2018;45:65-70.
- Horner D, Altshuler D, Droege C, Feih J, Ferguson K, Fiorenza M, Greathouse K, **Hamilton LA**, Pfaff C, Roller L, Stollings J, Wong A. Major publications in the critical care pharmacotherapy literature: January-December 2016. *J Crit Care* 2018;43:327-39.
- **Hammond DA**, Ficek OA, Painter JT, McCain K, Cullen J, Brotherton AL, Kakkera K, Chopra D, Meena N. Prospective open-label trial of early concomitant vasopressin and norepinephrine therapy versus initial norepinephrine monotherapy in septic shock. *Pharmacotherapy* 2018;38:531-8.
- **Hammond DA**, James TB, Atkinson LN, Painter JT, Lusardi K. Changing the time of blood collection to determine vancomycin concentrations in intensive care unit patients. *Crit Care Nurse* 2018;38:24-8.
- **Hammond DA**, McGinn K, Rech MA, Grgurich P, Wells Mulherin D, Gonzales JP, **Berger K**. Professional benefits of a web-based journal club for critical care residents and their mentors. *Am J Pharm Educ* 2018. [Epub ahead of print]
- **Hammond DA**, Stojakovic J, Kathe N, Tran J, Clem OA, Erbach K, King J. Deficiencies of magnesium replacement in the critically ill. *J Intensive Care Med* 2018;33:327.

- **Heavner MS**, Masich AM, Claeys KC, Gonzales JP. Pharmacokinetic and pharmacodynamic considerations of antibiotics of last resort in treating gram-negative infections in adult critically ill patients. *Curr Infect Dis Rep* 2018;20:10.
- **Heavner MS**, Nguyen NK, Knauert MP, Verceles A, Pisani MA, Seung H, Gonzales JP. Survey of clinical pharmacist perceptions and practices in promoting sleep in intensive care unit patients. *JACCP* 2018. Published online ahead of print.
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- Littlefield AJ, **Heavner MS**, Chan CY, Heavner JJ, Cooper C, Kurtz D, Pisani MA. The correlation between mMINDS and CIWA-Ar scoring tools in alcohol withdrawal patients. *Am J Crit Care* 2018;27:280-6.
- Masich AM, **Heavner MS**, Gonzales JP, Claeys KC. Pharmacokinetic/pharmacodynamic considerations of beta-lactam antibiotics in adult critically ill patients. *Curr Infect Dis Rep* 2018;20:9.
- **Hecht JP**, Richards PG. Continuous-infusion labetalol vs. nifedipine for hypertension management in acute stroke patients. *J Stroke Cerebrovasc Dis* 2018;27:460-5.
- Gregory J, **Hecht JP**. Esophageal perforation: a research review of the anti-infective treatment. *Int J Clin Pharm*.
- Beckett RD, **Linn DD**, Tellor KB, Sheehan AH, Montagano JK, Vonada B. Systematic evaluation of the methodological quality of clinical practice guidelines intended for pharmacists. *J Am Coll Clin Pharm* 2018;1-12.
- **Poyant JO**, Albright R, Clain J, Pandompatam G, Barreto EF. Extracorporeal elimination of butalbital in acute aspirin-butalbital-caffeine-codeine (Fiorinal with codeine) poisoning. *Clin Toxicol (Phila)* 2018;56:439-41.
- **Poyant JO**, Kuper PJ, Dierkhising RA, Rabinstein AA, Wijdicks EFM, Ritchie BM. Nifedipine reduces blood pressure variability after spontaneous intracerebral hemorrhage. *Neurocrit Care* 2018. [Epub ahead of print]
- Asal NJ, **Poyant JO**. Role and impact of student pharmacists and a pharmacist on an international interprofessional medical brigade. *Curr Pharm Teach Learn* 2018. [Epub ahead of print]
- Barreto EF, **Poyant JO**, Hongchuan HC, Dierkhising RA, Kennedy CC, Gajic O, Nystrom EM, Takahashi N, Moynagh MR, Kashani KB. Validation of the

sarcopenia index to assess muscle mass in the critically ill: a novel application of kidney function markers. *Clin Nutr* 2018. [Epub ahead of print]

- **Radosevich JJ**, Feldman JP, Dutt M. Catastrophic circulatory collapse following an inadvertent subcutaneous injection of treprostinil. *Am J Health Syst Pharm* 2018;75:e300-4.
- Shurtleff V, **Radosevich JJ**, Patanwala AE. Comparison of ketamine versus non-ketamine based sedation on delirium and coma in the intensive care unit. *J Intensive Care Med* 2018.
- **Reynolds P**. Augmented renal clearance. Accepted for publication in: *Critical Care Self-Assessment Program (CCSAP)*. Lenexa, KS: American College of Clinical Pharmacy.
- **Reynolds P**. Stress ulcer prophylaxis vs placebo meta-analysis. *Pharmacotherapy*. Accepted for publication.
- **Smith SE**, Hamblin SE, Guillaumondegui OD, Gunter OL, Dennis BM. Effectiveness and safety of continuous neuromuscular blockade in trauma patients with an open abdomen: a follow-up study. *Am J Surg* 2018 Apr 18. [Epub ahead of print]
- **Smith SE**, Rumbaugh KA. False prolongation of international normalized ratio with daptomycin. *Am J Health Syst Pharm* 2018;75:269-74.
- Samai K, **Vilella A**. Update in therapeutics: prophylactic antibiotics in open fractures. *J Trauma Nurs* 2018;25:83-6.

New Fellows

- **Leslie Hamilton**: American College of Critical Care Medicine (FCCM).
- **Scott Mueller**: American College of Critical Care Medicine (FCCM).
- **Matthew Wanat**: American College of Critical Care Medicine (FCCM).

Board Certifications

- **Anas Mustafa AlHomran**: BCPS and BCCCP.
- **Jason Hecht**: BCCCP.
- **Oksana Kamneva**: BCPS.
- **Nathan Lian**: BCCCP.
- **Michelle Poole**: BCCCP.
- **Paul Reynolds**: BCCCP.

Leadership Positions

- **Karen Berger**: NYSCHP, NYC Chapter President; NYSCHP Education and Professional Development Committee Chair; NYSCHP Grassroots Advocacy Committee Chair. ASHP Yearlong Educational Steering Committee Vice Chair.

SCCM CPP Member-at-Large and SCCM Adult Item Writing Committee Co-Chair.

- **Angela Bingham:**
Clinical Specialist Member, Board of Pharmacy Specialties, Nutrition Support Pharmacy Specialty Council.
Chair, Membership Committee, American Society for Parenteral and Enteral Nutrition.
- **Kara Birrer:** Immediate Past President, ACCP Perioperative Care PRN.
- **Scott Bolesta:** Chair-Elect, SCCM Research Section.
- **Trisha Branam:** President-Elect, Georgia Society of Health-System Pharmacists.
- **Sonia Everhart:** Education Committee Chair for Carolinas/Virginias Chapter of the Society of Critical Care Medicine.
- **Alex Flannery:** Chair, Social Media Committee for ACCP Critical Care PRN and Vice Chair 2018 ACCP Annual Meeting Program Committee.
- **Leslie Hamilton:** Secretary, Pharmacy Practice Section, ACCP.
- **Drayton Hammond:** Chair, Critical Care PRN; Chair-Elect, SCCM CPP Section Education Committee; and Vice Chair, ACCP 2019 Programming Committee.
- **Mojdeh Heavner:** Vice Chair, Critical Care PRN Research Committee.
- **Judith Jacobi:** Chair, 2018 ACCP Presidential Task Force.
- **Nick Peters:** Chair, Recognition Committee for the ACCP Critical Care PRN.
- **Janelle Poyant:** Student/Resident/Fellow Committee Vice Chair, ACCP Critical Care PRN.
- **Pamela Smithburger:** Co-Chair, SCCM Quality Summit.
- **Melissa Thompson Bastin:** Member, SCCM Discovery Network Steering Committee.
- **Edward Van Matre:** Resident/Fellow Board Liaison, ACCP Critical Care PRN.
- **Toni Vilella:** Student/Resident/Fellow Chair, ACCP Critical Care PRN.
- **Matthew Wanat:** President/Past President, Society of Critical Care Medicine, Texas Chapter.

Other Notable Achievements

- **Kristen Bamberg:** Vice Chair, Board of Pharmacy Specialties Critical Care Council.
- **Brittany D. Bissell:** Scientific Review Committee, Society of Critical Care Medicine.
- **Christine Groth:** PGY2 Critical Care Program Director, University of Rochester Medical Center.
- **Drayton Hammond:** PGY2 Critical Care Program Director, Rush University Medical Center.
- **Mojdeh Heavner:** Coordinator, Pharmacotherapy PGY1/PGY2 Residency Program at UMB SOP.

- **Oksana Kamneva:** PGY2 Cardiology Program Director, UNCREX Hospital.
- **Yukon Kuskokwim:** PGY1 Residency Completion.
- **Nathan Lian:**
Implemented DKA Protocol.
Approved Propofol as Post-intubation Sedation in the ED.
Implemented Pharmacy Aspects for Telestroke Services for the facility to become a Primary Stroke Center.
Nominated as a member of the Pharmacy Residency Board.
- **Scott Mueller:** Director, PGY2 Critical Care Program.
- **Matthew Wanat:**
Director, PGY2 Residency Program.
Created a Fellowship in Academic Pharmacy at UH.

Drug Information PRN

The DI PRN has been providing live and recorded webinars on drug information topics to its members. Its most recent webinar was presented by Lauren Koppen, Pharm.D., BCPS, titled "Team-Based Learning Approach to Teaching Tertiary Resources."

The DI PRN also hosts student and resident journal club presentations on a variety of topics. Journal clubs are presented live and recorded. The most recent journal club was presented by Lindsay Slowiczek, Pharm.D., titled "Non-opioids for Chronic Pain: Pragmatic or an Idea from Outer Space?"

Awards

- **Kelsey Bridgeman:** 2018 Drug Information PRN Student Travel Award.
- **Mandy Leonard:** Ohio College of Clinical Pharmacy (OCCP) Pharmacist of the Year Award.
- **Dan Majerczyk:** Roosevelt University College of Pharmacy 2018 Preceptor of the Year Award.
- **Michelle W. McCarthy:** Virginia Commonwealth University School of Pharmacy Office of Experiential Education 2018 Outstanding Service Award.

Presentations

- Neff DR, **Johnson ST**, Stevenson JG, Smith, ST. Formulary decision making in oncology – a panel discussion. Michigan Society of Hematology-Oncology 6th Annual Oncology Pharmacists Forum; May 2018; Troy, MI.
- **Rodriguez R, Bridgeman K.** Descriptive analysis of evidence-rating systems used in contemporary meta-analyses of drug effects. Poster presented at: American College of Clinical Pharmacy Global Conference; October 20–23, 2018; Seattle, WA (accepted).

Publications

- Ottman AA, Warner CB, **Brown JN**. The role of mirtazapine in patients with fibromyalgia: a systematic review. Clin Rheumatol 2018 Jun 2. [Epub ahead of print]
- Watkins AK, Gee ME, **Brown JN**. A systematic review of the efficacy and safety of levetiracetam for migraine prophylaxis. J Clin Pharm Ther 2018;43:467-75.
- Gonzalez J, Bridgeman M, **Hermes-DeSantis E**. Differentiating predatory scholarship: best practices in scholarly publication. Int J Pharm Pract 2018;26:73-6.
- Gonzalez J, Bryant S, **Hermes-DeSantis ER**. Transdermal estradiol for the management of refractory uremic bleeding. Am J Health Syst Pharm 2018;75:e177-e183.
- Narayanan N, Lacy C, Cruz J, Nahass M, Karp J, Barone J, **Hermes-DeSantis ER**. Disaster preparedness: biological threats and treatment options. Pharmacotherapy 2018;38:217-34.
- **Kaufman MB**:
Pharmaceutical Approval Update. P T 2018;43:22, 23, 60.
Pharmaceutical Approval Update. P T 2018;43:83-4.
Pharmaceutical Approval Update. P T 2018;43:141-2.
Certolizumab pegol receives FDA approval for plaque psoriasis plus FDA updates ixekizumab label to include genital-area psoriasis. Rheumatologist 2018;12:80.
Drug safety: fasinumab evaluated in clinical trials plus celecoxib may not pose increased heart attack or stroke risk & more. Rheumatologist 2018;12:64.
FDA to review abuse deterrent oxycodone plus adalimumab biosimilar moves forward after legal battle & more. Rheumatologist 2018;12:67.
Ixekizumab promising for AS plus certolizumab pegol & psoriasis, heart risk with clarithromycin & more. Rheumatologist 2018;12:50.
Ferumoxytol injection receives new indication plus application for GP2017 moves ahead & loperamide abuse reported. Rheumatologist 2018;12:64.
Bimekizumab improves joint & skin symptoms in PsA patients plus EU approves certolizumab pegol for pregnant & nursing patients. Rheumatologist 2018;12:80.
E6011 safe & well tolerated in RA patients plus tocilizumab monotherapy may sustain low disease activity in RA patients. Rheumatologist 2018;12:72.
- **Leonard MC**, Bauer SR, Ahrens CL, Reddy A, Katzan I. Institutional care paths: development,

implementation, and evaluation. Am J Health Syst Pharm 2017;74:1486-93.

- **Leonard MC**, Thyagarajan R, Wilson A, Sekeres M. Effective formulary management and clinical care processes across the patient care continuum. Am J Health Syst Pharm 2017;75:451-5.
- Schroer B, Bjelac J, **Leonard MC**. What's new in managing patients with food allergy? Almost everything. Curr Opin Pediatr 2017;29:578-83.
- **Wisniewski CS**. Development and impact of a simplified approach to didactic PowerPoint presentations performed in a drug information course. Curr Pharm Teach Learn 2018;10:291-7.

Other

- **Dan Majerczyk**: Served as a 2018 Walmart Scholar Mentor, sponsored by the American Association of Colleges of Pharmacy.
- **Christopher S. Wisniewski**: Earned Master's Degree in Science and Clinical Research at the Medical University of South Carolina.

Education and Training PRN

Promotions

- **Holly Gurgle**: Associate Professor (Clinical), University of Utah College of Pharmacy.
- **Dustin Linn**: Associate Professor of Pharmacy Practice, Manchester University College of Pharmacy.

Awards

- **Emily Frederick**: Teacher of the Year (2017–2018).
- **Holly Gurgle**: 2018 APhA Immunization Champion – National Individual Practitioner Award.
- **Lucas Hill**:
Texas Pharmacy Association Generation Rx Champion Award.
UT School of Undergraduate Studies Distinguished University Lecturer.
- **Beth H. Resman-Targoff**: Rho Chi National Honor Society's 2018 Faculty Advisor Award.

Grants

- **Lucas Hill**: Principal Investigator: Texas Targeted Opioid Response Overdose Prevention Project. Texas Health & Human Services Commission (\$2,587,149). 2017–2019.

Publications

- **Caballero J**, Benavides S, Clauson KA, Hardigan PC, Martinez BK, Llerena V. Non-modifiable determinants of pharmacy residency match rates. Int J Pharm Pract 2018;26:81-4.
- **Caballero J**, Ownby RL, Jacobs RJ, Pandya N, Hardigan PC, Cabrera-Ricabal L. Predicting

medication adherence in older Hispanic patients with type 2 diabetes. *Am J Health Syst Pharm* 2018;75:e194-e201.

- **Caballero J, Sedlacek J.** Dementia-related disorders MTM data set. In: Whalen K, Hardin HC, eds. *Medication Therapy Management; A Comprehensive Approach*, 2nd ed. New York: McGraw-Hill, 2018:313-24.
- Diehl B, **Dy-Boarman EA**, Bottenberg MM, Mobley-Bukstein W. Utilizing desirable difficulties for sterile compounding training in a skills-based laboratory course. *Curr Pharm Teach Learn* 2018;10:469-72.
- Burris JN, **Frederick EK**, Malcom DR, Raake S, Shin M, Daugherty KK. Impact of a journal club elective course on student learning measures. *Am J Pharm Ed*. Published online ahead of print June 7 2018.
- **Hill L.** Harm reduction approaches to opioids. In: Schepis TS, ed. *The Prescription Drug Abuse Epidemic: Incidence, Prevention, Treatment, and Policy*. Santa Barbara, CA: ABC-CLIO, 2018:227-41.
- Kabakov A, **Kolanczyk D.** Book review of: Soric MM, Schneider SR, Wisneski SS. *The Effective Pharmacy Preceptor*. Bethesda, MD: American Society of Health-System Pharmacists, 2017.
- Beckett RD, **Linn DD**, Tellor KB, Sheehan AH, Montagano JK, Vonada B. Systematic evaluation of the methodological quality of clinical practice guidelines intended for pharmacists. *J Am Coll Clin Pharm* 2018;1-12.
- **Rac H**, Wagner JL, King ST, Barber KE, **Stover KR.** Impact of an antifungal stewardship intervention on optimization of candidemia management. *Ther Adv Infect Dis* 2018;5:3-10.
- Joyner KR, **Soric MM**, Boyle JA, Moorman JM, Fredrickson ME, Turosky JZ, Kleven CL. Mineralocorticoid receptor antagonist utilization in a nationally representative heart failure with reduced ejection fraction outpatient population: a cross-sectional study. *Am J Ther* 2018.
- **Stover KR**, Ballou J, Liles AM, Fleming LW, Fleming JW, Riche DM, Pitcock JJ, King ST, Capino A. Assessment of the landscape of clinical productivity tracking via reporting of quality patient indicators. *J Am Coll Clin Pharm* 2018;1-8.
- **Stover KR**, King ST, Barber KE. Impact of an infectious diseases advanced pharmacy practice experience on student knowledge. *Curr Pharm Teach Learn* 2018;10(8). Online ahead of print June 2018.
- Chastain DB, King ST, **Stover KR.** Achieving urinary antibiotic concentrations to effectively treat resistant organisms. *BMC Res Notes* 2018;11:497.
- White BP, Wagner JL, Barber KE, King ST, **Stover KR.** Risk factors for failure in

complicated intra-abdominal infections. *South Med J* 2018;111:125-32.

- Wingler MJB, Epperson TM, **Stover KR**, Wagner JL, Barber KE. Acute bacterial skin and skin structure infections (ABSSSI): new and emerging treatment options. *MAD-ID Newsletter Continuing Education Article* 2018;8:6-23.

New ACCP Fellows (2018)

- **Suzanne G. Bollmeier**
- **Lingtak-Neander Chan**
- **Christina M. Madison**
- **Stephanie Nichols**
- **Patricia R. Wagle**

Other Notable Achievements

- **Beth H. Resman-Targoff:** National invited presentation on “Joint Effort: Working with Patients with Osteoarthritis and Rheumatoid Arthritis” at: American Pharmacists Association Annual Meeting and Exposition; March 2018; Nashville, TN.
- **Todd Sorensen:** President-Elect, AACP.

Emergency Medicine PRN

Awards

- **Kara L. Birrer:** Pharmacy Preceptor of the Year, Orlando Regional Medical Center; Travel Grant Award, Neurocritical Care Society Annual Meeting.
- **Natalija Farrell:** Pharmacy Preceptor of the Year, Boston Medical Center.
- **Kristan V. Higgs:** Owensboro Health President’s Award, Owensboro Health Regional Hospital.
- **Megan A. Rech:** Pharmacy Preceptor of the Year, Loyola University Medical Center.
- **Kyle Weant:** Pharm to Table Award, Medical University of South Carolina; for outstanding contribution to emergency medicine physician resident education.

Promotions

- **Kristan V. Higgs:** Interim Director, PGY1 Pharmacy Residency Program, Owensboro Health Regional Hospital.
- **Darrel Hughes:** Clinical Pharmacy Practice Manager, University Health System & University of Texas Health – San Antonio.
- **Megan A. Rech:** Adjunct Assistant Professor – Department of Emergency Medicine, Stritch School of Medicine, Loyola University Chicago.

Publications

- **Acquisto NM**, Bodkin RP, Brown JE, Graman PS, Jones CMC, Li T, Hardy DJ, Dodds Ashley E. The value of MRSA carriage status for treatment of skin

- and soft tissue infections in the emergency department. *Emerg Med J* 2018. [Epub ahead of print]
- Dylla L, **Acquisto NM**, Manzo F, Cushman JT. Dexamethasone related perineal burning in the prehospital setting: a case series. *Prehosp Emerg Care* 2018. [Epub ahead of print]
 - Groth C, **Acquisto NM**, Khadem T. Current practices and safety of medication use during rapid sequence intubation: a multicenter study evaluating practices across the United States. *J Crit Care* 2018;45:65-70.
 - Janda M, **Acquisto NM**, Gashlin L, Dodds Ashley E. Increasing the quality of medication histories in the emergency department with pharmacy students. *Am J Emerg Med* 2017. [Epub ahead of print]
 - Loner C, **Acquisto NM**, Lenhardt H, et al. Accuracy of intravenous infusion flow regulators in the prehospital environment. *Prehosp Emerg Care* 2018.
 - Morgan S, **Acquisto NM**, Coralic Z, Basalyga V, Campbell M, Kelly JJ, Langkiet K, Pearson C, Sokn E, Phelan M. Clinical pharmacy services in the emergency department. *Am J Emerg Med* 2018. [Epub ahead of print]
 - **Awad NI**. Scrubs and a scarf. In: Walter LA, ed. *Perspectives: Women in Emergency Medicine*. Dallas, TX: American College of Emergency Physicians, 2017.
 - **Bilhimer MH, Schult RF**, Higgs KV, Wiegand TJ, Gorodetsky RM, **Acquisto NM**. Acute intoxication following dimethyltryptamine ingestion. *Case Rep Emerg Med* 2018.
 - Curry D, **Birrer KL**, Carothers C. Comparison of intracranial pressure reduction between 7.5% and 23.4% hypertonic saline. *Neurocrit Care* 2018;29(suppl 1).
 - **DeMott JM**, Hebert CL, Novak M, Mahmood S, **Peksa GD**. Characteristics and resource utilization of patients presenting to the emergency department from mass gathering events. *Am J Emerg Med* 2017. [Epub ahead of print]
 - **DeMott JM**, Patel G, Lat I. Evaluating the effects of chronic antihypertensives on vasopressor dosing in septic shock. *Ann Pharmacother* 2018;52:40-7.
 - Gottlieb M, **DeMott JM**, Hallock M, **Peksa GD**. Systemic antibiotics for the treatment of skin and soft tissue abscesses: a systematic review and meta-analysis. *Ann Emerg Med* 2018. [Epub ahead of print]
 - Hunt TV, **DeMott JM**, Ackerbauer KA, Whittier WL, **Peksa GD**. Single-dose sodium polystyrene sulfonate for hyperkalemia in chronic kidney disease or end-stage renal disease. *CKJ* 2018. [Epub ahead of print]
 - **Fowler AF, Hughes DW**, Muir MT, **VanWert EM**, Gamboa CD, Myers JG. Resource utilization after snakebite severity score implementation into treatment algorithm of crotaline bite. *J Emerg Med* 2017. [Epub ahead of print]
 - **Kaucher KA, Acquisto NM**, Broderick K. Emergency department naloxone rescue kit dispensing and patient follow-up. *Am J Emerg Med* 2017. [Epub ahead of print]
 - Hirschy R, Ackerbauer KA, **Peksa GD**, O'Donnell EP, **DeMott JM**. Metoprolol vs. diltiazem in the acute management of atrial fibrillation in patients with heart failure with reduced ejection fraction. *Am J Emerg Med* 2018. [Epub ahead of print]
 - **Rech MA**, Colon Hidalgo D, Larson J, Zavala S, Mosier M. Vitamin D in burn-injured patients. *Burns* 2018. [Epub ahead of print]
 - Hammond DA, McGinn K, **Rech MA**, Grgurich P, Wells Mulherin D, Gonzales JP, Berger K. Professional benefits of a web-based journal club for critical care residents and their mentors. *Am J Pharm Educ* 2018. [Epub ahead of print]
 - Hirschy R, Davis T, Shah T, **Rech MA**. Treatment of life-threatening ACE-inhibitor induced angioedema. *Adv Emerg Nurs J* 2018. [Epub ahead of print]
 - Hirschy R, Sterk E, **Rech MA**. Time spent in the emergency department and outcomes in patients with severe sepsis and septic shock. *Adv Emerg Nurs J* 2018;40:94-103.
 - Steuber H, Williams D, **Rech MA**. Leave the levofloxacin? A case report of levofloxacin-induced psychosis. *Am J Emerg Med* 2018 May 1. [Epub ahead of print]
 - **Schult R, Acquisto NM**. Acetaminophen and aspirin. In: *Critical Care Self-Assessment Program (CCSAP). Toxicology*. Lenexa, KS: American College of Clinical Pharmacy, May 2018.
 - **Schultz R, Acquisto NM**, King C, Wiegand T. A case of lionfish envenomation presenting to an inland emergency department. *Case Rep Emerg Med* 2017.
 - **Slouch GW, Schult R**, Gorodetsky R, Wiegand T, Kamali M, **Acquisto NM**. Pregabalin and paradoxical reaction of seizures in a large overdose. *Toxicol Commun* 2018;2:19-20.
 - **Waybright RA**. Traumatic spinal cord injury. In: *Neurocritical Care ON CALL*. Neurocritical Care Society.
 - Matuskowitz AJ, Abukhdeir H, **Weant K, Calhoun C**, Domangue B, Caporossi J. Evidence-based management of atrial fibrillation in the emergency department. *Emerg Med Rep* April 1, 2018.
 - Linder LM, Ross CA, **Weant KA**. Ketamine for the acute management of excited delirium and agitation in the prehospital setting. *Pharmacotherapy* 2018;38:139-51.

- McPheeters CM, Wiedmar JA, Pinkston CM, **Weant KA**. Implications of statin use on vasopressor therapy in the setting of septic shock. *Hosp Pharm* 2018;53:152-6.

New Fellows

- **Darrel Hughes**

Other Notable Achievements

- **Peter D. Anderson**: Lieutenant Colonel, Medical Service.

Endocrine and Metabolism PRN

The Endocrine and Metabolism PRN consists of pharmacists and student pharmacists from a variety of practice settings. The PRN was formed to achieve the following goals and objectives: (1) provide an opportunity for pharmacists with an interest in endocrine and metabolism disorders to promote practice, research, and education in these areas; (2) provide a mechanism for members with similar interests to meet during ACCP meetings to network, problem solve, and discuss professional issues and opportunities; and (3) promote practice involvement; educational needs of health care professionals, students, and patients; and research activities in the areas of endocrinology and metabolism that may be favorably affected by this ACCP PRN effort. During the past 6 months, notable member accomplishments include the following.

Promotions

- **Jennifer D'Souza**: Professor with Tenure.
- **Krystal L. Edwards**: Full Professor effective September 1, 2018.
- **S. Mimi Mukherjee**: Associate Professor.
- **Sara (Mandy) Reece**: Director of Interprofessional Education.

Awards

- **Dustin Carneal**: Preceptor of the Year, NEOMED College of Pharmacy (selected by Class of 2019) and Faculty Excellence in Role Modeling Interprofessional Collaboration, NEOMED College of Pharmacy.
- **Molly Minze**: Abilene campus Preceptor of the Year, Texas Tech University Health Sciences Center School of Pharmacy.

Publications

- **Anderson SL**, Marrs JC. Characterization of statin therapy in a managed care population with diabetes. *J Clin Lipidol* 2018;12:536.
- **Anderson SL**, Marrs JC. The role of the pharmacist in heart failure transition of care. *Adv Ther* 2018;35:311-23.

- **Anderson SL**, Marrs JC. Direct oral anticoagulant (DOAC) use in valvular heart disease. *Clin Med Insights Ther* 2018;10:1-6.
- **Anderson SL**, Trujillo JM, Anderson JE, Tanenberg R. Switching basal insulins – practical recommendations for health care providers. *Postgrad Med* 2018;130:229-38.
- Marrs JC, **Anderson SL**, Gabriel C. Role of aldosterone receptor antagonists in heart failure with preserved ejection fraction. *Clin Med Insights Ther* 2018;10:1-9.
- **Kugler AJ**, Thiman ML. Efficacy and safety profile of once-weekly dulaglutide in type 2 diabetes: a report on the emerging new data. *Diabetes Metab Syndr Obes* 2018;11:187-97.
- Karwa R, Maina M, **Pastakia SD**, et al. Leveraging peer-based support to facilitate HIV care in Kenya. *PLoS Med* 2017;14:e1002355.
- Mercer T, Gardner A, Andama B, Chesoli C, Christoffersen-Deb A, Dick J, Einterz R, Gray N, Kimaiyo S, Kamano J, Maritim B, Morehead K, **Pastakia SD**, Ruhl LJ, Songok J, Laktabai J. Leveraging the power of partnerships: spreading the vision for a population health care delivery model in western Kenya. *Global Health* 2018;14:44.
- Njuguna BN, Kiplagat J, Bloomfield J, **Pastakia SD**, Vedanthan R, Koethe JR. Prevalence, risk factors, and pathophysiology of dysglycemia among people living with HIV in sub-Saharan Africa. *J Diabetes Res* 2018;2018:Article ID 6916497.
- Park P, **Pastakia SD**. Access to hemoglobin A1c in rural Africa: a difficult reality with severe consequences. *J Diabetes Res* 2018. In press.
- **Reece SW**, Parihar HS, Martinez M. Retrospective review of maternal and fetal outcomes in patients with gestational diabetes mellitus in an indigent prenatal clinic. *Diabetes Spectr* 2018;31:200-5.
- **Schumacher C**, Moaddab G, Colbert M, Kliethermes MA. The impact of the clinical pharmacist on readmission rates of heart failure patients in the accountable care environment. *J Manag Care Spec Pharm* 2018;24:795-9.
- Patel RS, **Scopelliti EM**, Olugbile O. The role of PCSK9 inhibitors in the treatment of hypercholesterolemia. *Ann Pharmacother*. Published online ahead of print April 18, 2018.
- **Williams E**, Martin SL, Fabrikant A, et al. Rates of depressive symptoms among pharmacy residents. *Am J Health Syst Pharm* 2018;75:292-7.

Podium Presentations

- **Clements J**. Pharmacotherapy for obesity in type 1 diabetes. 78th American Diabetes Association Scientific Sessions; June 2018; Orlando, FL.

- **Dela Pena L.** Updates in GLP1 agonists. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; June 2018; Downers Grove, IL.
- **D'Souza J:** Updates in the 2018 ADA Standards of Care. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; June 2018; Downers Grove, IL.
- **Schumacher C:**
Guidelines for non-insulin medication management in patients with type 2 diabetes. Presented as a live webinar at: American Association of Diabetes Educators; April 2018.
130 is the new 140: an update in the management of hypertension. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; June 2018; Downers Grove, IL.
Clearing the confusion: considerations for management of diabetes and chronic kidney disease. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; 2018 June. Downers Grove, IL.
- **Schumacher C, Kliethermes M.** Successful practice models in team-based care. Presented as a live webinar at: American Pharmacists Association; June 2018.
- **Van Dril E.** Double trouble: considerations for the management of type 2 diabetes in patients with chronic heart failure. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; June 2018; Downers Grove, IL.
- **Wesling M.** Sometimes less is more – the art of deintensifying. 7th Annual Midwestern University Updates in Diabetes and Related Chronic Care Topics Pharmacy Continuing Education Conference; June 2018; Downers Grove, IL.

Poster Presentations

- Thomas M, Dewnani K, Novotny K, Lange M, Brown F, **Fermo J.** The role of pharmacy in the Million Hearts initiative. American College of Clinical Pharmacy Updates in Therapeutics®; February 2018; Jacksonville, FL.
- **Macmaster HW,** Fong I, Rushakoff RJ. Making sense of rapid-acting insulin patient directions in the EMR. 78th American Diabetes Association Scientific Sessions; June 2018; Orlando, FL.
- **Macmaster HW,** Maruoka A, San Luis C, Gonzalez S, Rushakoff RJ. Inpatient use of insulin pens – eliminating risk for inappropriate use of pen on

more than one patient. 78th American Diabetes Association Scientific Sessions; June 2018; Orlando, FL.

- **Macmaster HW,** Tran A, Monash B, Murray SG, Prasad PA, Rushakoff RJ. Decreasing incidence of postinsulin hypoglycemia for hyperkalemia treatment. 78th American Diabetes Association Scientific Sessions; June 2018; Orlando, FL.
- Rushakoff RJ, Zook J, **Macmaster HW.** Documentation of continuous subcutaneous insulin infusion (CSII) use in the emergency department (ED). 78th American Diabetes Association Scientific Sessions; June 2018 June; Orlando, FL.

New ACCP Fellows

- **Molly Minze**

Notable Achievements

- **Sarah Anderson:** Appointed to the ASHP Council on Therapeutics (2018–2019).
- **Drew Klinkebiel:** Board Certified in Advanced Diabetes Management.
- **Anne Kugler:** Accepted as a MeRIT participant for 2018–2020.
- **Anne Misher:** Accepted as a MeRIT participant for 2018–2020.
- **Sara (Mandy) Reece:** Board Certified in Ambulatory Care Pharmacy.

GI/Liver/Nutrition PRN

The GI/Liver/Nutrition PRN would like to congratulate its members on their exceptional accomplishments reported March 2018 – August 2018. Way to go and keep up the great work! Many thanks to all of you for your superb contributions.

Keep updated on GI/Liver/Nutrition PRN activities, new articles, professional meeting highlights, and discussions on the PRN's Facebook page as well as its new Twitter account. Follow the PRN at @accpGILNprn. Please join the PRN on September 13 for a career panel webinar with PRN member-panelists excited to discuss their unique pharmacy career paths. Panelists will share their experiences, provide professional insights, and spark new career interests for pharmacists-in-training, new practitioners, and those looking to learn about different opportunities. PRN members also hope to see you at the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. The PRN focus session will provide updates and guidance on the management of pediatric and adult intestinal failure–associated liver disease.

Awards

- **Angela Bingham:** ACCP New Educator Award.

Publications

- **Dickerson RN, Kumpf VJ, Bingham AL,** Blackmer A, **Canada TW, Chan LN, Cogle SV,** Tucker AM. Significant published articles for pharmacy nutrition support practice in 2017. *Hosp Pharm* 2018;53:239-46.
- **Smith AN.** Neurohormonal influences on obesity. *Bariatric Times* 2017;14:10-4.
- **Smith AN.** Nutritional considerations in the bariatric surgery patient. In: Murphy JE, Lee MW, eds. *Ambulatory Care Self-Assessment Program, 2017. Nutritional/Gastroenterologic Care.* Lenexa, KS: American College of Clinical Pharmacy, 2017.
- Ramsdell T, **Smith AN,** Kerkhove E. Compliance with updated sepsis bundles to meet new sepsis core measure in a tertiary care hospital. *Hosp Pharm* 2017;52:177-86.

Other Notable Achievements

- **Kelsey Rife:** Elected as President-Elect, Ohio College of Clinical Pharmacy.
- **April Smith:** Elected to the Integrated Health Executive Committee of the American Society for Metabolic and Bariatric Surgery.

Presentations

- **April Smith:**
Implementing ENERGY techniques into your practice. Invited podium presentation at: ASMBS Weekend; June 15, 2018; New York, NY.
How does the pharmacist fit in to ERAS? Invited podium presentation at: 18th Annual Minimally Invasive Surgery Symposium; March 7, 2018; Las Vegas, NV.
Opioid crisis in America: can ERAS help? Invited podium presentation at: 18th Annual Minimally Invasive Surgery Symposium; March 6, 2018; Las Vegas, NV.
Pharmacist's role on the bariatric surgery team. Invited faculty for webinar sponsored by: Greater New York Health Association. 1.0 hour CE webinar given November 21, 2017.
Clinical practice hot topics in bariatric surgery & pharmacology. Integrated Health Pharmacology Course: Obesity Week 2017; October 30, 2017; Washington, DC.

Global Health PRN

Grants

- **Melanie Nicol:** "Pharmacology of Antiretrovirals in Anatomical Brain Tissue Among Persons with Chronic HIV Infection." Sponsor: NIH NINDS/ Fogarty International Center (R21).

Publications

- **Pastakia SD,** Ferris RP, Tran DN, Manji IN. Building reliable supply chains for non-communicable disease commodities: lessons learned from HIV and evidence needs. *AIDS* 2018;32(suppl 1):S55-S61.
- Bernard C, Pekny C, Omukugah C, Bernard C, Manji IN, **Pastakia SD,** Christoffersen-Deb, AC. Integration of contraceptive services into anticoagulation management services improves access to long-acting reversible contraception. *Contraception* 2018. In press.
- Mercer T, Gardner A, Andama B, Chesoli C, Christoffersen-Deb A, Dick J, Einterz R, Gray N, Kimaiyo S, Kamano J, Maritim B, Morehead K, **Pastakia SD,** Ruhl LJ, Songok J, Laktabai J. Leveraging the power of partnerships: spreading the vision for a population health care delivery model in western Kenya. *Global Health* 2018;14:44.
- Njuguna B, Kiplagat J, Bloomfield J, **Pastakia SD,** Vedanthan R, Koethe JR. Prevalence, risk factors, and pathophysiology of dysglycemia among people living with HIV in sub-Saharan Africa. *J Diabetes Res* 2018;2018:Article ID 6916497.
- Njuguna B, Vorkoper S, Patel P, Reid M, Vedanthan R, Pfaff C, Park P, Fischer L, Laktabai J, **Pastakia SD** (corresponding author). Models of integration of HIV and non-communicable disease care in sub-Saharan Africa: lessons learned and evidence gaps. *AIDS* 2018;32(suppl 1):S33-S42.
- Park P, **Pastakia SD.** Access to hemoglobin A1c in rural Africa: a difficult reality with severe consequences. *J Diabetes Res* 2018;2018:Article ID 6093595.
- Patel PR, Collins PY, Nuche-Berenguer B, Sahasrabuddhe VV, Peprah E, Vorkoper S, **Pastakia SD,** Rausch D, Levitt NS. Non-communicable diseases among persons living with HIV in low- and middle-income countries: a systematic review of cardiovascular disease, cervical cancer, depression, and diabetes. *AIDS* 2018;32(suppl 1):S5-S20.
- **Prescott GM,** Mullen T, Wilson-Clarke C, Gossell-Williams M, Morse GD. Development and implementation of an introductory pharmacy practice experience in Kingston, Jamaica to expose students to global health. *Am J Pharm Educ* 2018;82:Article 7158.
- **Prescott GM,** Mullen T, Wilson-Clarke C, Lombardo JC, Tsuji BT, Lindo J, Morse GD, Gossell-Williams M. An international collaboration on sustainable workforce development and implementation of a doctor of pharmacy program. *Am J Pharm Educ* 2018;82:Article 7158.

Presentations

- **Helen Berlie:** Integrating global health into the Pharm.D. curriculum. Presented at: AACP Annual Meeting; July 2018; Boston, MA.
- **Sonak Pastakia:**
Models of integration of HIV and non-communicable disease care in sub-Saharan Africa: lessons learned and evidence gaps. Invited panelist at: International AIDS Society Meeting; July 23, 2018; Amsterdam, Netherlands.
Strengthening health systems through partnerships. Invited panelist at: Partnership for Quality Medical Donations Annual Meeting; April 11, 2018; Washington, DC.
- **Gina M. Prescott:**
Integrating global health into the Pharm.D. curriculum. AACP Annual Meeting; July 2018; Boston, MA.
Lindo JF, Mullen T, **Prescott G**, Smith D, Wilkes R, Longworth L, Paul T, Talal A, Sethi S, Lombardo J, Furlani T, Fernando A, Delgado R, McDonald A, Govindaraju V, DeHovitz J, Morse G. Integrated biomedical research platform to achieve health and well-being sustainable development goals. Sustainable Futures for the Caribbean: Critical Interventions and the 2030 Agenda, Sir Arthur Lewis Institute of Social & Economic Studies (SALISES), 19th Annual Conference; April 2018; Montego Bay, Jamaica.
- **Douglas Slain:**
Accommodating international exchange and visiting students and scholars: are there best practices? (roundtable). Annual Meeting of the American Association of Colleges of Pharmacy (AACP); July 21–25, 2018; Boston, MA.
Preceptor development models in the US. 2018 U.S.-Thai Pharmacy Consortium Meeting, University of Kentucky; June 10–12, 2018; Lexington, KY.

Other Notable Achievements

- **Debra Goff:** Global Antimicrobial Stewardship Expert (U.S.): Selected to work with the WHO to develop guidance, education, and toolkits for the 2019 implementation of antibiotic stewardship programs in low-middle income countries.

Health Outcomes PRN

Promotions

- **Christopher Frei:** Full Professor with Tenure (University of Texas at Austin).
- **Daniel R. Touchette:** Full Professor (University of Illinois at Chicago).

Awards

- **Christopher Frei:**
Graduate Teacher and Mentor of the Year Award, College of Pharmacy, University of Texas at Austin.
Educator of the Year Award, College of Pharmacy, University of Texas at Austin.

Grants

- **Christopher Frei:** Institute for Integration of Medicine & Science: A Partnership to Improve Health, NIH/NCATS, \$24M (5/1/18 – 4/30/23). 2018 May. Co-Principal Investigator for TL1 Program.

New ACCP Fellows

- **Diana Sobieraj**

Publications

- **Sobieraj DM, Baker WL, Weeda ER, Nguyen E, Coleman CI, White CM, Lazarus SC, Blake K, Lang JE.** Systematic Review of Intermittent Inhaled Corticosteroids and of Long-Acting Muscarinic Antagonists for Asthma. Comparative Effectiveness Review No. 194. Prepared by the University of Connecticut Evidence-Based Practice Center under Contract No. 290-2015-00012-I) AHRQ Publication No. 17(18)-EHC027-EF. Rockville, MD: Agency for Healthcare Research and Quality, March 2018.
- **Weeda ER, Caranfa JT, Lyman GH, Kuderer NM, Nguyen E, Coleman CI, et al.** External validation of three risk stratification rules in patients presenting with pulmonary embolism and cancer. Supportive Care Cancer 2018 [Epub ahead of print]

Hematology/Oncology PRN

The Hematology/Oncology PRN continues to provide a forum for hematology/oncology pharmacists to network and collaborate on scientific, educational, and political issues affecting clinical practice, teaching, and research. The PRN has 795 members, with trainees (students and residents) making up almost 50% of the membership.

At the 2017 Annual Meeting, the PRN hosted resident and student travel awardees. Because of increased student membership and the desire for more opportunities to connect, the second half of the PRN meeting served as a networking session focused on members' clinical and research activities. The PRN was asked to increase student involvement; therefore, the PRN has created activities geared toward trainees. The PRN also formed a committee within, which includes trainees, to help the PRN officers complete their initiatives.

The PRN has made plans to donate to the Frontiers Fund, and nominations for 2018 awards have been submitted. Plans for PRN collaboration are under way for the 2018 PRN focus session.

Promotions

- **Pamala A. Pawloski:** Senior Research Investigator, HealthPartners Institute.

Grants

- **S. Monestime:** \$30,000 grant from the University of North Texas Institute of Patient Safety to implement a patient safety initiative at the Center for Cancer and Blood Disorders.

Publications

- Cooper JB, Turner M, Patel M, Markle J, **Amend C, Absher R**, Roh J. Evaluation of an evidence-based medicine curriculum in a PGY1 pharmacy residency program using the Fresno test. *Am J Pharm Educ* 2018;82:6294.
- **Avila JC**, Livingston JA, Rodriguez AM, Kirchoff AC, Kuo YF, Kaul S. Disparities in adolescent and young adult sarcoma survival: analyses of the Texas Cancer Registry and the National SEER data. *J Adolesc Young Adult Oncol* 2018 Aug 10.
- Ge S, **Beechinor RJ**, Hornik CP, Standing JF, Zimmerman K, Cohen-Wolkowicz M, Laughon MM, Clark R, Gonzalez D. External evaluation of a gentamicin infant population pharmacokinetic model using data from a national electronic health record database. *Antimicrob Agents Chemother* 2018.
- **Bhattacharyya GS**, Walia M, Nandi M, Murli A, Salim S, Rajpurohi S, Shinde S, Aggarwal S, Parikh PM. Practical consensus recommendations for neo-adjuvant chemotherapy in triple negative breast cancer. *South Asian J Cancer* 2018.
- Cho JC, Dunn RL, Yu FS, Loreda GA, **Brazil BJ**. Characteristics of antimicrobial stewardship programmes in rural East Texas hospitals. *J Hosp Infect* 2018.
- **Bubalo J**. Managing the mental distress of the hematopoietic stem cell transplant (HSCT) patient: a focus on delirium. *Curr Hematol Malig Rep* 2018;13:109-13.
- **Bubalo J**, Mulverhill K, Meyers G, Hayes-Lattin B, Maziarz R. A randomized, placebo-controlled pilot trial of aprepitant combined with standard anti-emetic therapy for the prevention of chemotherapy-induced nausea and vomiting in patients undergoing cyclophosphamide-based conditioning regimens prior to hematopoietic stem cell transplant (HSCT). *Bone Marrow Transplant* 2018.
- **Bubalo JS**, Herrington JD, **Takemoto M**, Willman P, Edwards MS, Williams C, Fisher A, Palumbo A, Chen E, Blanke C, Lopez CD. Phase II open label pilot trial of aprepitant and palonosetron for the prevention of chemotherapy-induced nausea and vomiting (CINV) in patients receiving moderately emetogenic FOLFOX chemotherapy for the treatment of colorectal cancer. *Support Care Cancer* 2018;26:1273-9.
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- Rawson TM, Ming D, Gowers SA, Freeman DM, Herrero P, Georgiou P, **Cass AE**, O'Hare D, Holmes AH. Public acceptability of computer-controlled antibiotic management: an exploration of automated dosing and opportunities for implementation. *J Infect* 2018 Aug 9.
- Clemmons AB, Orr J, Andrick B, Gandhi A, Sportes C, **DeRemer D**. Randomized, placebo-controlled, phase III trial of fosaprepitant, ondansetron, dexamethasone (FOND) versus FOND plus olanzapine (FOND-O) for the prevention of chemotherapy-induced nausea and vomiting in patients with hematologic malignancies receiving highly emetogenic chemotherapy and hematopoietic cell transplantation regimens: the FOND-O trial. *Biol Blood Marrow Transplant* 2018 Jun 13.
- Gwynn ME, **DeRemer DL**. The emerging role of PD-1/PD-L1-targeting immunotherapy in the treatment of metastatic urothelial carcinoma. *Ann Pharmacother* 2018;52:60-8.
- **Dunaway S**, Orwig KW, Arbogast ZQ, Myers ZL, Sizemore JA, Giancola SE. Evaluation of a pharmacy-driven methicillin-resistant *Staphylococcus aureus* surveillance protocol in pneumonia. *Int J Clin Pharm* 2018;40:526-32.
- Lemke AA, Hulick PJ, Wake DT, Wang C, Sereika AW, Yu KD, Glaser NS, **Dunnenberger HM**. Patient perspectives following pharmacogenomics results disclosure in an integrated health system. *Pharmacogenomics* 2018;19:321-31.
- Patel JN, Wiebe LA, **Dunnenberger HM**, McLeod HL. Value of supportive care pharmacogenomics in oncology practice. *Oncologist* 2018 Apr 5.
- Phillips EJ, Sukasem C, Whirl-Carrillo M, Müller DJ, **Dunnenberger HM**, Chantratita W, **Goldspiel B**, Chen YT, Carleton BC, George AL Jr, Mushiroda T, Klein T, Gammal RS, Pirmohamed M. Clinical Pharmacogenetics Implementation Consortium guideline for HLA genotype and use of

- carbamazepine and oxcarbazepine: 2017 update. Clin Pharmacol Ther 2018;103:574-81.
- Oyler D, Bernard AC, VanHoose JD, Parli SE, **Ellis CS**, Li D, Procter LD, Chang PK. Minimizing opioid use after acute major trauma. Am J Health Syst Pharm 2018;75:105-10.
 - Seligson ND, Hobbs ALV, Leonard JM, Mills EL, **Evans AG**, Goorha S. Evaluating the impact of the addition of cladribine to standard acute myeloid leukemia induction therapy. Ann Pharmacother 2018;52:439-45.
 - **Gatwood KS**, Culos KA, Binari LA, Engelhardt BG, Kassim A, Byrne MT, Goodman SA, Chinratanalab W, Sengsayadeth SM, Greer JP, Jagasia M, Savani BN. Outcomes of a novel rituximab-based non-myeloablative conditioning regimen for hematopoietic cell transplantation in severe aplastic anemia. Bone Marrow Transplant 2018;53:795-9.
 - McDonald MK, Culos KA, **Gatwood KS**, Prow C, Chen H, Savani BN, Byrne M, Kassim AA, Engelhardt BG, Jagasia M, Satyanarayana G. Defining incidence and risk factors for catheter-associated bloodstream infections in an outpatient adult hematopoietic cell transplantation program. Biol Blood Marrow Transplant 2018 May 9.
 - Sengsayadeth S, Labopin M, Boumendil A, Finke J, Ganser A, Stelljes M, Ehninger G, Beelen D, Niederwieser D, Blaise D, Dreger P, Mufti G, Chevallier P, Mailhol A, **Gatwood KS**, Gorin N, Esteve J, Ciceri F, Baron F, Schmid C, Giebel S, Mohty M, Savani BN, Nagler A. Transplant outcomes for secondary acute myeloid leukemia: Acute Leukemia Working Party of the European Society for Blood and Bone Marrow Transplantation Study. Biol Blood Marrow Transplant 2018;24:1406-14.
 - Sakoulas G, **Geriak M**, Nizet V. Is a reported penicillin allergy sufficient grounds to forgo the multidimensional antimicrobial benefits of β -lactam antibiotics? Clin Infect Dis 2018 Jul 9.
 - Thompson A, Blackmer A, Jeffres M, **Glode A**, Mahyari N, Thompson M. Clinical pharmacy academic career transitions: viewpoints from the field. Part 2: understanding and balancing the distribution of effort. Curr Pharm Teach Learn 2018;10:128-32.
 - Babiker HM, **Glode AE**, Cooke LS, Mahadevan D. Ublituximab for the treatment of CD20 positive B-cell malignancies. Expert Opin Investig Drugs 2018;27:407-12.
 - Blackmer AB, Thompson AM, Jeffres MN, **Glode AE**, Mahyari N, Thompson M. Clinical pharmacy academic career transitions: viewpoints from the field. Part 1: understanding feedback, evaluation, and advancement. Curr Pharm Teach Learn 2018;10:123-7.
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 - **Goodin S**. Pharmacists' critical role in cancer clinical trials. Am J Health Syst Pharm 2018;75:592-3.
 - Wang Z, Zhang L, Wan Z, He Y, Huang H, Xiang H, Wu X, Zhang K, Liu Y, **Goodin S**, Du Z, Zheng X. Atorvastatin and caffeine in combination regulates apoptosis, migration, invasion and tumorspheres of prostate cancer cells. Pathol Oncol Res 2018 May 24.
 - Green DM, Wang M, Krasin MJ, Srivastava D, Relling MV, Howell CR, Ness KK, Kaste SC, **Greene W**, Jay DW, Fernandez-Pineda I, Pui CH, Jeha S, Bishop MW, Furman WL, Robison LL, Hudson MM. Serum ALT elevations in survivors of childhood cancer. A report from the St. Jude Lifetime Cohort Study. Hepatology 2018 Jul 17.
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Immunology/Transplantation PRN

Promotions

- **Maya Campara**: Clinical Associate Professor, Department of Pharmacy Practice and Department of Surgery, University of Illinois at Chicago (UIC).
- **Jeong Park**: Clinical Professor of Pharmacy, University of Michigan.

Awards

- **Maya Campara**: 2018 Fellow (FCCP), American College of Clinical Pharmacy. 2018, P2 Class, Lecturer of the Year Award, Class of 2020, University of Illinois at Chicago College of Pharmacy.

Publications

- Kim Y, Jung AD, Dhar VK, Tadros JS, Schauer DP, Smith EP, Hanseman DJ, Cuffy MC, **Alloway RR**, Shields AR, Shah SA, Woodle ES, Diwan TS. Laparoscopic sleeve gastrectomy improves renal transplant candidacy and posttransplant outcomes in morbidly obese patients. *Am J Transplant* 2018;18:410-6.
- **Bowman LJ**, Brueckner AJ, **Doligalski CT**. The role of mTOR inhibitors in the management of viral infections: a review of current literature. *Transplantation* 2018;102(2S suppl 1):S50-S59.
- Spaggiari M, Di Bella C, Di Cocco P, **Campara M**, Galen KL, Gheza F, Oberholzer J, Benedetti E, Tzvetanov I. Pancreas transplantation from pediatric donors: a single center experience. *Transplantation* 2018.
- Dew MA, DiMartini AF, Dobbels F, Grady KL, Jowsey-Gregoire SG, Kaan A, Kendall K, Young QR, Abbey SE, Butt Z, Crone CC, De Geest S, **Doligalski CT**, Kugler C, McDonald L, Ohler L, Painter L, Petty MG, Robson D, Schläglhofer T, Schneekloth TD, Singer JP, Smith PJ, Spaderna H, Teuteberg JJ, Yusef RD, Zimbren PC. The 2018 ISHLT/APM/AST/ICCAC/STSW recommendations for the psychosocial evaluation of adult cardiothoracic transplant candidates and candidates for long-term mechanical circulatory support. *J Heart Lung Transplant* 2018;37:803-23.
- **Fleming JN**, Taber DJ, Axelrod D, Chavin KD. The effect of Share 35 on biliary complications: an interrupted time series analysis. *Am J Transplant* 2018.
- Pilch NA, **Fleming JN**, Crowther BR, Maldonado AQ, Taber DJ. It is time for board certification in transplant pharmacotherapy. *Am J Transplant* 2018.
- Liu Q, Smith AR, **Park JM**, Oguntimein M, Dutcher S, Bello G, Helmuth M, Turenne M, Balkrishnan

R, Fava M, Beil CA, Saulles A, Goel S, Sharma P, Leichtman A, Zee J. The adoption of generic immunosuppressant medications for kidney, liver, and heart transplantation among recipients in Colorado or nationally with Medicare Part D. *Am J Transplant* 2018;18:1764-73.

- **Potter LM**, Maldonado AQ, Lentine KL, et al. Transplant recipients are vulnerable to coverage denial under Medicare Part D. *Am J Transplant* 2018;18:1502-9.
- **West-Thielke P**, Progar K, **Campara M**, Jasiak N, Gallon L, Tang I, Spaggiari M, Tzvetanov I, Benedetti E. Eculizumab for prevention of antibody-mediated rejection in blood group-incompatible renal transplantation. *Transplant Proc* 2018;50:66-9.

Other Notable Achievements

- **Maya Campara**: Content Developer and Editor. Petition to the Board of Pharmacy Specialties for the recognition of solid organ transplant pharmacists as specialists. ACCP clinical content expert. March 2018.
- **Lisa Potter**: Elected as Councilor-at-Large to the American Society of Transplantation's Board of Directors (2018–2020).

Abstract Poster Presentations

- **Campara M**, **West-Thielke P**, Progar K, Jasiak N, **Lichvar A**, Tang I, Benedetti E. Infectious complications associated with eculizumab used for ABO-incompatible renal transplantation. *Am J Transplant* 2018; TBD(D165). American Transplant Congress; June 2018; Seattle, WA.
- **Moss M**, Goebel J, Bock M. Impact of once-daily tacrolimus on adherence in stable adolescent and young adult renal transplant recipients. American Transplant Congress; June 2018; Seattle, WA.
- Benz E, Sikora A, **Moss M**, Ray K, Goebel J, Bock M. Re-classification of blood pressure control using ambulatory blood pressure monitoring in children and young adults after kidney transplantation. Pediatric Academic Societies (PAS); May 2018; Toronto, Ontario, Canada.
- Leek R, **Park J**, Koerschner C, Mawby J, Wright Nunes J, Sonnenday C, Sharma P. Assessment of a novel chronic kidney disease educational and goal setting tool among liver transplant recipients. American Transplant Congress; June 2–6, 2018; Seattle, WA.
- Lu Y, Lyons J, Tischer S, Woodside K, **Park J**. Efficacy and safety of a single-dose rituximab for prevention of focal segmental glomerulosclerosis recurrence after kidney transplant. American Transplant Congress; June 2–6, 2018; Seattle, WA.

- Shaikh S, Panek N, **Park J**. A national survey of valganciclovir dosing strategies in pediatric solid organ transplant recipients. American Transplant Congress; June 2–6, 2108; Seattle, WA.
- Shaikh S, Samaniego M, **Park J**. Direct oral anti-coagulation use in kidney transplant recipients. American Transplant Congress; June 2–6, 2018; Seattle, WA.
- Pasternak AL, Kidwell K, Dempsey J, Sun Y, Hertz DL, **Park JM**. The impact of CYP3A5 genotype on tacrolimus trough concentrations varies between routes of administration. American Society of Clinical Pharmacology and Therapeutics; March 21–24, 2018; Orlando, FL.
- **Potter L**, Garrity E. Medicare Part D plans to deny coverage for off-label and off-compensated immunosuppressant use: a case series. Abstract B341. *Am J Transplant* 2018;18(suppl 4).
- Sullivan M, Lin J, Bag R, **Potter L**. Incidence of atrial arrhythmia after lung transplantation with a universal prophylaxis strategy. Abstract C269. *Am J Transplant* 2018;18(suppl 4).
- **West-Thielke P**, **Campara M**, Tang I, Benedetti E. Outcomes of Hispanic kidney transplant recipients under a cyclosporine- versus tacrolimus-based immunosuppression protocol. *Am J Transplant* 2018; TBD(D155). American Transplant Congress; June 2018; Seattle, WA.

Session Moderators

- **Maya Campara** and **Lisa Potter**: Assessing and addressing medication non-adherence in the “real-world” clinical setting. American Transplant Congress; June 2018; Seattle, WA.

Invited Presentations

- **Christina Doligalski**: The art, the science, the allure of transplantation: pharmacology. Invited presentation at: American Transplant Congress; June 2018; Seattle, WA. Unique immunosuppression in pregnancy following solid organ transplantation. Invited presentation at: American Transplant Congress; June 2018; Seattle, WA.
- **Lisa Potter**: Efficacy of immunosuppression and impact of sex. Invited presentation at: American Transplant Congress; June 2018; Seattle, WA. The ABC's of immunosuppression billing in the ambulatory care setting. Invited presentation at: American Transplant Congress; June 2018; Seattle, WA.

Infectious Diseases PRN

The ID PRN continues to thrive. Its committees have successfully published newsletters, begun a Member Spotlight series, and organized networking events, and they continue to spread the word about pharmacists' value in antimicrobial stewardship through the PRN's active social media outlets (#IDPRN). Below is a sampling of professional achievements by ID PRN members.

Promotions

- **Sam Aitken:** Program Director, PGY2 Infectious Diseases Pharmacy Residency, University of Texas MD Anderson Cancer Center.
- **Pamela Foral:** Professor of Pharmacy Practice, Creighton University School of Pharmacy and Health Professions.
- **Christopher Frei:** Full Professor with Tenure, College of Pharmacy, University of Texas at Austin, September 2018.

Awards

- **Elias Chahine:** 2018 Hero in Medicine Award, Healthcare Educator Higher Education Category awarded by the Palm Beach County Medical Society.
- **Lynne Fehrenbacher:** Concordia University Wisconsin Pharmacy Practice Faculty of the Year, May 2018.
- **Christopher Frei:** Educator of the Year Award, College of Pharmacy, University of Texas at Austin, May 2018.
- **Ashley Marx:** PY3 Instructor of the Year, UNC Eshelman School of Pharmacy, April 2018.
- **Tracy Zembles:** IDSA Antimicrobial Stewardship Center of Excellence Award.

Grants

- **Elias Chahine:** Principal Investigator: Assessing Adherence to the 2017 IDSA/SHEA Clinical Practice Guidelines for *Clostridium difficile* Infection. Funding: Palm Beach Atlantic University Quality Initiative Grant \$1500.
- **Christopher Frei:** Institute for Integration of Medicine & Science: A Partnership to Improve Health, NIH/NCATS, \$24M (5/1/18 – 4/30/23). May 2018. Chris Frei is the Co-Principal Investigator for the TL1 Program.
- **Debra Goff:** A pharmacist-driven prospective collaborative study on adherence to the South African CAP guidelines in 23 public and private sector hospitals across South Africa. Merck stewardship grant.

Publications

- Li X, Arias CA, **Aitken SL**, Galloway Peña J, Panesso D, Chang M, Diaz L, Rios R, Numan Y, Ghaoui S, DebRoy S, Bhatti MM, Simmons DE, Raad I, Hachem R, Folan SA, Sahasrabhojane P, Kalia A, Shelburne SA. Clonal emergence of invasive multidrug-resistant *Staphylococcus epidermidis* deconvoluted via a combination of whole-genome sequencing and microbiome analyses. *Clin Infect Dis* 2018;67:398-406.
- **Boylan PM**, Joseph T, Hale GM, Moreau C, Seamon M, Jones R. Development of chronic obstructive pulmonary disease and heart failure self-management kits for outpatient transitions of care. *Consult Pharm* 2018;33:145-51.
- **Carr DR**, Stiefel U, Bonomo RA, Burant CJ, Sims SV. A Comparison of cefazolin versus ceftriaxone for the treatment of methicillin-susceptible *Staphylococcus aureus* (MSSA) bacteremia in a tertiary care VA medical center. *Open Forum Infect Dis* 2018;5(5).
- **Chahine EB**. The rise and fall of metronidazole for *Clostridium difficile* infection. *Ann Pharmacother* 2018;52:600-2.
- **Chahine EB**. Sexually transmitted diseases, ambulatory care infections, and immunizations. In: **Bland CM, Bookstaver PB, Chahine EB**, et al, eds. *Updates in Therapeutics®: Infectious Diseases Pharmacy Preparatory Review Course*, 2018 ed. Lenexa, KS: ACCP, 2018:155-222.
- **Chahine EB**, Cho JC, Worley MV. Bezlotoxumab for the prevention of *Clostridium difficile* recurrence. *Consult Pharm* 2018;33:89-97.
- **Chahine EB**, Karaoui LR. Lung abscesses. In: Murphy JE, Len MW, eds. *Pharmacotherapy Self-Assessment Program*, 2018 Book 1. Infectious Diseases. Lenexa, KS: ACCP, 2018:161-89.
- **Chahine EB**, Kelley D, Childs-Kean LM. Sofosbuvir/velpatasvir/voxilaprevir: a pan-genotypic direct-acting antiviral combination for hepatitis C. *Ann Pharmacother* 2018;52:352-63.
- Dougherty JA, **Chahine EB**. Providing additional “muscles” for older adults through optimal vaccine selection. *Ann Pharmacother* 2018;52:936-41.
- James SF, **Chahine EB**, Sucher AJ, Hanna C. Shingrix: the new adjuvanted recombinant herpes zoster vaccine. *Ann Pharmacother* 2018;52:673-80.
- **Chastain DB, King ST, Stover KR**. Achieving urinary antibiotic concentrations to effectively treat resistant organisms. *BMC Res Notes* 2018;11:497.
- Mandal S, Kang G, Prathipati PK, Fan W, Li Q, **Destache CJ**. Long-acting parenteral antiretrovirals loaded into a nano-drug delivery system for HIV-1 treatment: humanized mouse model study. *Antivir Res* 2018 Jun 6.

- Prathipati PK, Mandal S, **Destache CJ**. Tenofovir, emtricitabine, elvitegravir, rilpivirine analysis on dried blood spots and liquid chromatography-tandem mass spectrometry. *Biomed Chromatogr* 2018;e4270.
- **Dotson KM, Aitken SL, Sofjan AK**, Shah DN, Aparasu RR, **Garey KW**. Outcomes associated with *Clostridium difficile* infection in patients with chronic liver disease. *Epidemiol Infect* 2018;146:1101-5.
- **Foolad F, Aitken SL**, Chemaly RF. Letermovir for the prevention of cytomegalovirus infection in adult cytomegalovirus-seropositive hematopoietic stem cell transplant recipients. *Expert Rev Clin Pharmacol* 2018 Jul 13. [Epub ahead of print]
- **Foolad F**, Taylor BD, Shelburne SA, Arias CA, **Aitken SL**. Association of daptomycin dosing regimen and mortality in patients with VRE bacteraemia: a review. *J Antimicrob Chemother* 2018 Mar 13. [Epub ahead of print]
- Reveles KR, Mortensen EM, Koeller JM, Lawson KA, Pugh MJV, Rumbellow SA, Argamany JR, **Frei CR**. Derivation and validation of a *Clostridium difficile* infection recurrence prediction rule in a national cohort of veterans. *Pharmacotherapy* 2018.
- Reveles KR, Pugh MJV, Lawson KA, Mortensen EM, Koeller JM, Argamany JR, **Frei CR**. Shift to community-onset *Clostridium difficile* infection in the national Veterans Health Administration, 2003-2014. *Am J Infect Control* 2018;46:431-5.
- **Ghazi IM**, Monogue ML, Tsuji M, Nicolau DP. Pharmacodynamics of cefiderocol, a novel siderophore cephalosporin, in a *Pseudomonas aeruginosa* neutropenic murine thigh model. *Int J Antimicrob Agents* 2018;51:206-12.
- **Ghazi IM**, Monogue ML, Tsuji M, Nicolau DP. Humanized exposures of cefiderocol, a siderophore cephalosporin, display sustained in vivo activity against siderophore-resistant *Pseudomonas aeruginosa*. *Pharmacology* 2018;101:278-84.
- El Nekidy WS, Soong D, Kadri A, Tabbara O, Ibrahim A, **Ghazi IM**. Salvage of hemodialysis catheter in staphylococcal bacteremia: case series, revisiting the literature, and the role of the pharmacist. *Case Rep Nephrol Dial* 2018;8:121-9.
- **Goff DA**. Antibiotic stewardship: the health of the world depends on it. *Hosp Pharm* 2018;53:214-6.
- **Goff DA**, File T. The risk of prescribing antibiotics "just-in-case" there is infection. *Semin Colon Rectal Surg* 2018;29:44-8.
- Pulcini C, Binda F, Lamkang AS, Trett A, Charani E, **Goff DA**, Harbarth S, Hinrichsen SL, Levy-Hara G, Mendelson M, Nathwani D, Gunturu R, Singh S, Srinivasan A, Thamlikitkul V, Thursky K, Vlieghe E, Wertheim H, Zeng M, Gandra S, Laxminarayan R. Developing core elements and checklist items for global hospital antimicrobial stewardship programmes: a consensus approach. *Clin Microbiol Infect* 2018 Apr 3.
- Srinivas P, Hunt LN, Pouch SM, Thomas K, **Goff DA**, Pancholi P, Balada-Llasat JM, Bauer KA. Detection of colistin heteroresistance in *Acinetobacter baumannii* from blood and respiratory isolates. *Diagn Microbiol Infect Dis* 2018;91:194-8.
- Tacconelli E, et al.; WHO Pathogens Priority List Working Group (**Goff DA**). Discovery, research, and development of new antibiotics: the WHO priority list of antibiotic-resistant bacteria and tuberculosis. *Lancet Infect Dis* 2018;18:318-27.
- **Goodlet KJ**, Fairman KA. Adverse events associated with antibiotics and intravenous therapies for post-Lyme disease syndrome in a commercially insured sample. *Clin Infect Dis* 2018 Apr 17. [Epub ahead of print]
- Almarzoky Abuhussain SS, **Goodlet KJ, Nailor MD**, Nicolau DP. Optimizing skin and skin structure infection outcomes: considerations of cost of care. *Expert Rev Pharmacoecon Outcomes Res* 2018;18:235-44.
- Bilinskaya A, **Goodlet KJ, Nailor MD**. Evaluation of a best practice alert to reduce unnecessary *Clostridium difficile* testing following receipt of a laxative. *Diagn Microbiol Infect Dis* 2018 Apr 21. [Epub ahead of print]
- Permpalung N, **Mahoney MV, McCoy C**, Atsawarungrangkit A, Gold HS, Levine JD, Wong MT, LaSalvia MT, Alonso CD. Clinical characteristics and treatment outcomes among respiratory syncytial virus (RSV)-infected hematologic malignancy and hematopoietic stem cell transplant recipients receiving palivizumab. *Leuk Lymphoma* 2018. [Epub ahead of print]
- Wiens J, Snyder GM, Finlayson S, **Mahoney MV**, Celi LA. Potential adverse effects of broad-spectrum antimicrobial exposure in the intensive care unit. *Open Forum Infect Dis* 2017;5(2).
- Datta R, **McManus D**, Topal JE, Juthani-Mehta M. Long-acting lipoglycopeptides for gram-positive bacteremia at the end of life to facilitate hospice care: a report of 3 cases. *Open Forum Infect Dis* 2018;5(1).
- Perreault S, **McManus D**, Lin T, **Anderson A, Ruggero M**, Topal JE. Optimization of voriconazole dosing utilizing a validated voriconazole dose modification guideline (VDMG) in hematologic patients. *J Oncol Pharm Pract* 2018 Jan 1.
- **Stover KR**, Ballou J, Liles AM, Fleming LW, Fleming JW, Riche DM, Pitcock JJ, **King ST**, Capino A. Assessment of the landscape of clinical productivity tracking via reporting of quality patient indicators. *J Am Coll Clin Pharm* 2018;1-8. [Epub ahead of print]

- **Stover KR, King ST, Barber KE.** Impact of an infectious diseases advanced pharmacy practice experience on student knowledge. *Curr Pharm Teach Learn* 2018;10(8). Online ahead of print June 2018.
- Wingler MJB, Epperson TM, **Stover KR, Wagner JL, Barber KE.** Acute bacterial skin and skin structure infections (ABSSSI): new and emerging treatment options. *MAD-ID Newsletter Continuing Education Article* 2018;8:6-23.
- Folan SA, Marx KR, **Tverdek FP**, Raad I, Mulanovich VE, Tarrand JJ, Shelburne SA, **Aitken SL.** Clinical outcomes associated with linezolid resistance in leukemia patients with linezolid-resistant *Staphylococcus epidermidis* bacteremia. *Open Forum Infect Dis* 2018;5.
- White BP, **Wagner JL, Barber KE, King ST, Stover KR.** Risk factors for failure in complicated intra-abdominal infections. *South Med J* 2018;111:125-32.
- **Zemles TN**, Mitchell ML, Huppler AR. The antimicrobial stewardship's next frontier: solid organ transplantation. *J Pharm Soc Wis* 2018;21:26-8.
- **Zemles TN**, Flannery L, Huppler A. Development and implementation of an antimicrobial lock guideline in a pediatric hospital. *Am J Health Syst Pharm* 2018;75:299-303.

Other Notable Achievements

- **Brandon Dionne:** Added Qualifications in Infectious Diseases (AQ-ID). Selected for ACCP Mentored Research Investigator Training (MeRIT) Program.
- **Monica Mahoney:** Secretary, Board for Massachusetts Society of Health-System Pharmacists (2018–2020).

Nephrology PRN

Promotions

- **Rachel F. Eyler:** Clinical Associate Professor, University of Connecticut School of Pharmacy.
- **Ayesha M. Khan:** Clinical Associate Professor, Chicago State University College of Pharmacy.

Awards

- **Rachel F. Eyler:** 2018 Teacher of the Year, University of Connecticut School of Pharmacy.
- **Calvin J. Meaney:** 2018 Faculty Preceptor of the Year, University at Buffalo School of Pharmacy and Pharmaceutical Sciences. 2018 Teacher of the Year, University at Buffalo School of Pharmacy and Pharmaceutical Sciences.

- **Timothy Nguyen:** 2018 Faculty Preceptor of the Year, LIU Pharmacy (Arnold & Marie Schwartz College of Pharmacy and Health Sciences).

Grants

- **Michelle Fravel:** Fraternal Order of Eagles Grant: Assessing Barriers and Facilitators to Phosphate Binder Adherence in a Dialysis Population.

Publications

- **EI Nekidy WS**, Soong D, Kadri A, et al. Salvage of hemodialysis catheter in staphylococcal bacteremia: case series, revisiting the literature, and the role of the pharmacist. *Case Rep Nephrol Dial* 2018;8:121-9.
- Books JM, Chapman CG, Suneja M, Schroeder MC, **Fravel MA**, et al. Use of angiotensin-converting enzyme inhibitors and angiotensin receptor blockers for geriatric ischemic stroke patients: are the rates right? *J Am Heart Assoc* 2018;7:e009137.
- Fusco NM, **Meaney CJ**, Wells C, Frederick CA, Prescott WA. Vancomycin versus vancomycin plus rifampin for the treatment of acute pulmonary exacerbations of cystic fibrosis. *J Pediatr Pharmacol Ther* 2018;23:125-31.
- Fusco NM, Prescott WA, **Meaney CJ.** Pharmacokinetic monitoring of vancomycin in cystic fibrosis: is it time to move past trough concentrations? *Pediatr Infect Dis J* 2018. [Epub ahead of print]
- Borghol A, Aucoin M, **Onor I**, Jamero D, Hawawini F. Modafinil for the improvement of patient outcomes following traumatic brain injury. *Innov Clin Neurosci* 2018;15:17-23.
- **Onor IO**, Stirling DL, Williams SR, Bediako D, Borghol A, Harris MB, Darensburg TB, Clay SD, Okpechi SC, Sarpong DF. Clinical effects of cigarette smoking: epidemiologic impact and review of pharmacotherapy options. *Int J Environ Res Public Health* 2017;14:1147.
- Ezebuenyi MC, Brakta F, **Onor IO**, Sarpong DF, Burks KB, Figueroa JE. Evaluation of physician prescribing patterns for antibiotics in the treatment of nonnecrotizing skin and soft tissue infections. *P T* 2018;43:287-92.

Pain and Palliative Care PRN

Sincerest congratulations to our recently elected Chair-Elect, Kat Walker, and Secretary-Treasurer, Nhi Tran! Kat and Nhi will begin their terms following the Global Conference Meeting in October.

Experts in Training Newsletter

We have an opportunity as a PRN to share more about ourselves and include a brief article in the resident and fellow newsletter that relates to current issues in our field. Our last article was regarding opioid stewardship and the one prior addressed opioid induced constipation. The PRN would love to open up this opportunity to a learner and facilitator/preceptor. Please email Stephanie Abel (Stephanie.Abel@osumc.edu) if you are interested.

Global Conference Meeting

The ACCP Global Conference in Seattle, WA is swiftly approaching (October 20 – 23).

Our PRN business meeting is Sunday the 21st from 6:30 – 8:30 pm in the Sheraton Seattle Hotel (conference hotel), second floor, Aspen room. Please let me know if you have an item you'd like to be considered for the agenda of this meeting. Additionally, if you cannot attend but would like a topic to be considered for next year's focus session discussion, please email me. Congratulations to the following learners who were selected for the Pain and Palliative Care PRN travel awards and will be presenting at the business meeting:

Brittany Faley, PharmD Candidate 2019, University of Iowa College of Pharmacy. Brittany will be presenting on "Antimicrobial Stewardship in Palliative Care"

Krysta Walter, PharmD Candidate 2019, University of Michigan College of Pharmacy. Krysta will be presenting on "Medication Regimen Complexity in Palliative Care Patients"

Our PRN Focus Session, "Opioid Stewardship – A Quality Improvement Approach", is on Tuesday the 23rd from 1:15 – 2:45 pm at the Washington State Conference Center, Level Three, Tahoma 1 & 2.

Comprehensive meeting information may be found by clicking [here](#).

Pediatrics PRN

Several Pediatrics PRN subcommittees are developing new programming and opportunities for its members.

The Pediatrics PRN Education Committee is organizing the resident/fellow journal clubs for next year. The journal clubs are open to any resident or fellow member of ACCP who would like the opportunity to present on a pediatric topic nationally. The journal clubs will be held at 3 p.m. (EST) on the below dates. Application deadlines are given below. Contact Samie Sabet for more information at samie-sabet@ouhsc.edu.

Journal Club Date	Application Due Date
Oct 16, 2018	Aug 20, 2018
Jan 15, 2019	Nov 19, 2018
Apr 2, 2019	Feb 4, 2019

The Pediatrics PRN focus session at the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington, will be held Monday, October 22, at 1:45 p.m. The 90-minute session, "Growing Pains: Pediatric Pain Management," will feature three speakers discussing various aspects of acute and chronic pain management in pediatric patients. Please join the PRN membership for this session.

The PRN is always looking for new team members. If you are interested in joining the PRN's committee, please reach out to Samie Sabet (samie-sabet@ouhsc.edu) or Elizabeth Goswami (esincl1@Jhmi.edu).

The Pediatrics PRN Research Committee continues to support PRN members in their research and scholarly endeavors. Committee members are also organizing pediatric poster rounds at the Global Conference.

The Pediatrics PRN Travel Awards Committee will provide two awards again this year, one for students and one for residents.

The Social Media Committee is sharing what is happening and coming up in the Pediatrics PRN through Facebook and Twitter as well as the PRN's website. The PRN is also looking for ways to engage its members through spotlights and clinical pearls. One initiative to help with this involves selecting a resident member liaison for the committee. This position will give a resident the opportunity to take on a leadership role in the PRN as well as help the chair with the latest and greatest ways to share information through social media. The liaison will be announced in September 2018.

The Nominations Committee, together with the ACCP staff, finalized the officer nomination and election process for 2018–2019. In addition, this will be the second year for the Pediatrics PRN awards; the PRN Achievement Award, given to an individual demonstrating leadership and a high level of contribution to pediatric practice and the PRN; and the Outstanding Practitioner Award, given to an individual showing innovative and excellence in providing clinical pediatric pharmacy services. Awardees will be selected by a panel of prior award winners and recognized at the 2018 Global Conference. The PRN looks forward to celebrating these achievements of its members.

Promotions

- **Peter D. Anderson:** Lieutenant Colonel, Medical Service Corps, U.S. Army Reserve.
- **John Brock Harris:** Associate Professor, Wingate University School of Pharmacy, Wingate, North Carolina.
- **Collin A. Hovinga:** Senior Vice President, Institute for Advanced Clinical Trials in Children (I-ACT for Children).
- **Joseph LaRochelle:** Clinical Professor of Pediatrics, Louisiana State University Health Sciences Center School of Medicine.
- **Joshua D. Robinson:** Promoted from PGY2 Pediatric Critical Care Resident to Pediatric Clinical Pharmacist, Lucile Packard Children's Hospital Stanford.

Awards

- **Omayma Kishk:** 2017–2018 Preceptor of the Year, Maryland Health System Pharmacy.
- **Anne Thorndyke:** Member-at-Large, ACCP Resident Advisory Committee.

Grants

- **John Brock Harris:** Wingate University Board of Visitors Grant, Wingate University School of Pharmacy Summer Academy.
- **Collin A. Hovinga:** I-ACT for Children Pediatric Trials Network (FDA Grant 5U18FD006297).

Publications

- **McCroary BE,** Harper HN, McPhail GL. Use and adverse effects of proton pump inhibitors in patients with cystic fibrosis. *Pharmacotherapy* 2018;38:725-9.
- **Orth LE,** O'Mara KL. Impact of early versus late diuretic exposure on metabolic bone disease and growth in premature neonates. *J Pediatr Pharmacol Ther* 2018;23:26-33.
- Arends A, **Pettit R.** Safety of extended interval tobramycin in cystic fibrosis patients less than 6 years old. *J Pediatr Pharmacol Ther* 2018;23:152-8.
- Kuti JL, **Pettit RS,** Neu N, Cies JJ, Lapin C, Muhlebach MS, Novak KJ, Nguyen ST, Saiman L, Nicolau DP. Meropenem time above the MIC exposure is predictive of response in cystic fibrosis children with acute pulmonary exacerbations. *Diagn Microbiol Infect Dis* 2018;91:294-7.
- **Robinson JD,** Moss JM, Yang QZ, Schwenk HT. Botulism immune globulin intravenous utilization evaluation in a children's hospital. *J Pediatr Pharmacol Ther.* In press.
- **Shelton CM,** Gray MD, Crill CM. To mist or not to mist: an update on the recommendations for

live-attenuated influenza vaccine. *J Am Pharm Assoc* 2018;58:457-9.

- Russell GR, Phelps SJ, **Shelton CM,** Wheless JW. Impact of drug interactions on clobazam and N-desmethyloclobazam concentrations in pediatric patients with epilepsy. *Ther Drug Monitor* 2018 May 4. [Epub ahead of print]
- Williams JS, Metcalfe A, **Shelton CM,** Spivey CA. Examination of the association of GPA and PCAT scores on objective structured clinical examination scores. *Am J Pharm Educ.* [Epub ahead of print]
- **Smith KP,** Madison CM. Transgender patients. In: *Women's and Men's Care I, Ambulatory Care Self-Assessment Program (ACSAP), 2016–2018.* Lenexa, KS: American College of Clinical Pharmacy, 2018.

New ACCP Fellows

- **Alison B. Blackmer**
- **John Brock Harris**
- **Chasity M. Shelton**

Other Notable Achievements

- **Collin A. Hovinga:**
Appointed to the Advisory Committee for Connect for Children – European pediatric organization funded by IMI 2 (No. 777389) and EU Horizon 2020 research and innovation program.
Appointed as the Head of Scientific Advisory Committee of the FireFly Fund – nonprofit set up to research treatments for NPC1.
- **Chasity M. Shelton:** Selected to participate in the AACCP Academic Leadership Fellows Program in Cohort 15 for the 2018–2019 academic year.
- **Katherine P. Smith:** Obtained Graduate Certificate in LGBT Health Policy & Practice from George Washington University, Washington, D.C., May 15, 2018.

Perioperative Care PRN

Thank you to all presenters and attendees of the Perioperative Care PRN's 2018 webinar series. The PRN wishes to thank Drs. Sara Jordan, Eric Johnson, Rachel Wolfe, and Jenna Lovely for leading interesting and informative webinars during 2018.

Perioperative Care Focus Session – The OR Blues: Management of Perioperative Emergencies

The Education Committee, led by Chair-Elect Marian Gaviola, has organized an exciting and interesting focus session for the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. Drs. Mitchell Daley, Christopher Adams, and Gourang Patel have been confirmed to speak on the following titles: (1)

“Massive Transfusion, More Than Just Blood: A Focus on Pharmacologic Adjuncts”; (2) “Malignant Hyperthermia – One Hot Topic”; and (3) “Slow to Wake: Managing Delayed Emergence in the Postsurgical Setting.”

Position Paper on Enhanced Recovery After Surgery (ERAS)

In conjunction with ERAS Society leaders, Drs. Olle Ljungqvist and Greg Nelson, the presenters of last year’s focus session on enhanced recovery, have submitted a position paper to be considered as a PRN opinion.

Perioperative Care App for iPhone and Android

Interested members are asked to sign up for developing an app for perioperative care pharmacotherapy. This task force (6-month commitment beginning at the Global Conference) will (1) identify the scope of a potential app for the iPhone and the Android, (2) determine the app’s functionality for perioperative care practice (concentrating on pharmacotherapy), and (3) identify potential markets for app distribution. PRN leadership will work with ACCP staff to develop a marketing plan and sales collateral for the app’s release.

Awards

- **Birrer KN:**
Preceptor of the Year 2017–2018.
Orlando Regional Medical Center Pharmacy Residency Program Leadership Award for Excellence.
Neurocritical Care Society’s Travel Grant Award for the 16th Annual Meeting.

Publications

- Curry D, **Birrer KL**, Carothers C. Comparison of intracranial pressure reduction between 7.5% and 23.4% hypertonic saline. *Neurocrit Care* 2018;29(suppl 1). (Pending publication, abstract accepted for presentation at 2018 NCS meeting and will be in this supplement)
- **Parrish RH II:**
Current trends and emerging priorities in compounded preparations for children. *Int J Pharm Compound* 2018. Fall feature. In press.
Roundtable 1 – formulary operation: nuts and bolts. *Pharmacy (Basel) (Special Issue – Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower Development Planning)* 2018. In press.
Lecture 2 –what is a formulary, anyway? (Or the Cliff Notes version of drug stewardship and expense control). *Pharmacy (Basel) (Special Issue – Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower*

Development Planning) 2018;6:69.

Lecture 2 – what is a formulary, anyway? Part 2. *Pharmacy (Basel) (Special Issue – Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower Development Planning)* 2018;6:72.

Lecture 3 – measuring pharmacy’s work in the 21st century. *Pharmacy (Basel) (Special Issue – Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower Development Planning)* 2018;6:63.

- **Parrish RH II**, Chew L. Lecture 1 – justification of the value of clinical pharmacy services and clinical indicators measurements – introductory remarks from a traveler on a 40-year wayfaring journey with clinical pharmacy and pharmaceutical care. *Pharmacy (Basel) (Special Issue – Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower Development Planning)* 2018;6:56.
- **Parrish RH II**, Chew L. Briefing note. *Pharmacy (Basel) (Special Issue –Proceedings of the Singapore National Clinical Pharmacy Colloquium – Health Manpower Development Planning)* 2018;6:54.
- **Smith AN.** Neurohormonal influences on obesity. *Bariatric Times* 2017;14:10-4.
- **Smith AN.** Nutritional considerations in the bariatric surgery patient. In: Murphy JE, Lee MW, eds. *Ambulatory Care Self-Assessment Program, 2017. Nutritional/Gastroenterologic Care.* Lenexa, KS: American College of Clinical Pharmacy, 2017.
- Ramsdell T, **Smith AN**, Kerkhove, E. Compliance with updated sepsis bundles to meet new sepsis core measure in a tertiary care hospital. *Hosp Pharm* 2017;52:177-86.

Presentations

- **Smith AN:**
Implementing ENERGY techniques into your practice. Invited podium presentation at: ASMBS Weekend; June 15, 2018; New York, NY.
How does the pharmacist fit in to ERAS? Invited podium presentation at: 18th Annual Minimally Invasive Surgery Symposium; March 7, 2018; Las Vegas, NV.
Opioid crisis in America: can ERAS help? Invited podium presentation at: 18th Annual Minimally Invasive Surgery Symposium; March 6, 2018; Las Vegas, NV.
Pharmacist’s role on the bariatric surgery team. Invited faculty for webinar sponsored by: Greater New York Health Association. 1.0 hour CE webinar given November 21, 2017.

Clinical practice hot topics in bariatric surgery & pharmacology. Integrated Health Pharmacology Course: Obesity Week 2017; October 30, 2017; Washington, DC.

Other Notable Achievements

- **Richard H. Parrish II** and John van der Anker will coedit a special issue in the international online peer-reviewed journal, *Children*. The topic for the special issue will tentatively be titled “A National Pharmacotherapy Collaborative Practice Network for Children.” This issue will (1) address the need for development of a national pharmacotherapy collaborative practice network focused primarily on ambulatory and transitions of care; (2) assess and suggest subspecialty practice needs within pharmacotherapy and clinical pharmacy; and (3) integrate complementary and alternative medicine pediatricians and their patients into an evolving medication safety net for system-level medication needs assessment, formulation, and research. Authors interesting in submitting manuscripts for consideration can contact Richard Parrish at Richard.parrish@americanacademic.com for more information. The submission deadline is March 31, 2019.
- **April N. Smith:** Elected to the Integrated Health Executive Committee of the American Society for Metabolic and Bariatric Surgery.

Pharmaceutical Industry PRN

On April 17, the Pharmaceutical Industry PRN hosted a career panel for interested students to learn about the different paths to and within the pharmaceutical industry. Panelists included Margaret Noyes Essex, Pharm.D., FCCP; Maria Sheridan, Pharm.D., BCNSP; Suzanne Soliman, Pharm.D., BCMAS; Kathy Goldstein, Pharm.D., CCRA; and Carmelina Tyler, Pharm.D., BCPS.

Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN

The PK/PD/PG PRN has been spearheading a multi-PRN opinion paper on the application of precision medicine across pharmacy specialty areas. Kelly Caudle, Pharm.D., Ph.D., current PK/PD/PG PRN chair, has been leading this initiative and coordinating the efforts of members from 18 PRNs. The PRN is also excited to present its joint PRN focus session with the Geriatrics PRN at the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington, titled “Impact of Aging on PK/PD/PG Parameters in Older Adults.” This event will be held Sunday, October 21, from 4:00 p.m. to 5:30 p.m. (PDT). In addition, the PRN welcomes everyone to join its members

for dinner and drinks at the PRN’s annual business meeting and networking forum on Monday, October 22, at 6:30 p.m.

Promotions

- **David Gregornik:** Pharmacogenomics Program Director, Children’s Minnesota, Minneapolis, Minnesota.

Awards

- **Cyrine-Eliana Haidar:** 2018 ACCP Clinical Practice Award.
- **Jasmine Luzum:** Finalist for the Jay N. Cohn New Investigator Award from the Heart Failure Society of America.

Grants

- **Ryan Funk:**
Co-Investigator: Trimethoprim: An Overlooked Contributor of Trimethoprim-Sulfamethoxazole Idiosyncratic Adverse Drug Reactions. NIGMS R01 (PA-16-160) (July 1, 2018 – June 30, 2023).
Principal Investigator: Metabolomic Markers of Methotrexate Response in Autoimmune Arthritis. Frontiers: The Heartland Institute for Clinical and Translational Research KL2 Career Development Award (November 6, 2017 – June 30, 2019).
Principal Investigator: A Biochemical Strategy to Mitigate Methotrexate Toxicity in Patients with Down Syndrome. PhRMA Foundation Pharmacology/Toxicology Research Starter Grant (January 1, 2018 – December 31, 2018).
- **Jasmine Luzum:** Pilot Grant from the Michigan Institute for Clinical and Health Research (MICHHR) to study genetic variants associated with recovery from chemotherapy-induced cardiomyopathy.

Publications

- **Brown JT**, Gregornik DS, Kennedy MJ. Pediatric Pharmacy Advocacy Group position statement on pharmacogenomics in pediatrics. *J Pediatr Pharmacol Ther* 2018. In press.
- Olander M, Waring S, Stenehjem DD, Taran A, Ranelli PL, **Brown JT**. Primary care clinicians attitudes and knowledge of pharmacogenetics in a large, multi-state, healthcare system. *Innov Pharm* 2018;9:Article 6.
- **Caudle KE**, Keeling NJ, Klein TE, Whirl-Carrillo M, Pratt VM, Hoffman JM. Standardization can accelerate the adoption of pharmacogenomics: current status and the path forward. *Pharmacogenomics* 2018;19:847-60.
- Whaley SG, Zhang Q, **Caudle KE**, Rogers PD. Relative contribution of the ABC transporters *Cdr1*, *Pdh1*, and *Snq2* to azole resistance in *Candida*

glabrata. Antimicrob Agents Chemother 2018 Jul 23. [Epub ahead of print]

- Lynn H, Sun X, Ayshiev D, Siegler JH, Rizzo AN, **Karnes JH**, Gonzales-Garay M, Casanova N, Camp SM, Wang T, Ellis NA, Garcia JGN. Single nucleotide polymorphisms (SNPs) in the *MYLKP1* pseudogene are associated with increased colon cancer risk in African Americans. PLoS One 2018. In press.
- Mosley JD, Feng Q, Wells QS, Van Driest SL, Shaffer CM, Edwards TL, Bastarache L, Wei WQ, Davis LK, McCarty CA, Thompson W, Chute CG, Jarvik GP, Gordon AS, Palmer MR, Crosslin DR, Larson EB, Carrell DS, Kullo IJ, Pacheco JA, Peissig PL, Brilliant MH, Linneman JG, Namjou B, Williams MS, Ritchie MD, Borthwick KM, Verma SS, **Karnes JH**, Weiss ST, Wang TG, Stein CM, Denny JC, Roden DM. A study paradigm to integrate prospective epidemiologic cohorts and electronic health records to identify new disease biomarkers. Nat Commun 2018. In press.
- **Lamprecht DG Jr**, Shaw PB, King JB, Hogan KN, Olson KL. Trends in high-intensity statin use and low-density lipoprotein cholesterol control among patients enrolled in a clinical pharmacy cardiac risk service. J Clin Lipidol 2018;12:999-1007.
- **Luzum JA**, Peterson E, Li J, She R, Gui H, Liu B, Spertus JA, Pinto YM, Williams LK, Sabbah HN, Lanfear DE. Race and beta-blocker survival benefit in patients with heart failure: an investigation of self-reported race and proportion of African genetic ancestry. J Am Heart Assoc 2018;7.
- **Kashuba A**, Schwartz JL, Doncel GF. Differences in local and systemic TFV PK among premenopausal versus postmenopausal women exposed to TFV 1% vaginal gel. J Acquir Immune Defic Syndr 2018;78:82-92.
- Eke AC, Chakhtoura N, **Kashuba A**, Best BM, Sykes C, Wang J, Stek AM, Smith E, Calabrese S, Capparelli EV, Mirochnick M, IMPAACT P1026s Protocol Team. Rilpivirine plasma and cervicovaginal concentrations in women during pregnancy and postpartum. J Acquir Immune Defic Syndr 2018;78:308-13.
- Mavigner M, Habib J, Deleage C, Rosen E, Mattingly C, Bricker K, **Kashuba A**, Amblard F, Schinazi RF, Jean S, Cohen J, McGary C, Paiardini M, Wood MP, Sodora DL, Silvestri G, Estes J, Chahroudi A. SIV persistence in cellular and anatomic reservoirs in ART-suppressed infant rhesus macaques. J Virol 2018. [Epub ahead of print]
- Brocca-Cofano E, Xu C, Wetzel KS, Cottrell ML, Policicchio BB, Raetz KD, Ma D, Dunsmore T, Haret-Richter GS, Musaitif K, Keele BF, **Kashuba AD**, Collman RG, Pandrea I, Apetrei C. Marginal

effects of systemic CCR5 blockade with maraviroc on oral simian immunodeficiency virus transmission to infant macaques. J Virol 2018. [Epub ahead of print]

- McKinnon LR, Liebenberg LJ, Yende-Zuma N, Archary D, Ngcapu S, Sivro A, Nagelkerke N, Garci Lerma JG, **Kashuba AD**, Masson L, Mansoor LE, Karim QA, Karim SSA, Passmore JS. Genital inflammation undermines the effectiveness of tenofovir gel in preventing HIV acquisition in women. Nat Med 2018;24:491-6.
- Weber MD, Andrews E, Prince HA, Sykes C, Rosen EP, Bay C, Shaheen NJ, Madanick RD, Dellon ES, De Paris K, Nelson JA, Gay CL, **Kashuba AD**. Virological and immunological responses to raltegravir and dolutegravir in the gut-associated lymphoid tissue of HIV-infected men and women. Antivir Ther 2018. [Epub ahead of print]
- Schauer AP, Sykes C, Cottrell ML, Prince H, **Kashuba ADM**. Validation of an LC-MS/MS assay to simultaneously monitor the intracellular active metabolites of tenofovir, emtricitabine, and lamivudine in dried blood spots. J Pharm Biomed Anal 2018;149:40-5.
- Srinivas N, Maffuid K, **Kashuba ADM**. Clinical pharmacokinetics and pharmacodynamics of drugs in the central nervous system. Clin Pharmacokinet 2018;57:1059-74.
- Thurman AR, Chandra N, Yousefieh N, Kimble T, Anderson SM, Cottrell M, Sykes C, Nicol MR, Brewster LM, **Kashuba ADM**, Sykes C. The role of menopause in tenofovir diphosphate and emtricitabine triphosphate concentrations in cervical tissue. AIDS 2018;32:11-5.

Other Notable Achievements

- **Varsha Bhatt-Mehta**: Appointed as Deputy Editor of *AAPSOpen*, the official open access international journal of the American Association of Pharmaceutical Sciences (AAPS).
- **Emily Schwartz**: Completed fellowship at the University of Florida and started new position as Clinical Assistant Professor with the University of Florida, College of Pharmacy, Department of Pharmacotherapy and Translational Research.

Pulmonary PRN

Awards

- **Jennifer Austin Szwak**: 2018 University of Chicago Choosing Wisely Challenge Winner for "Nebs No More After 24."

Grants

- **Jennifer Austin Szwak:** 2018 University of Chicago Innovations Grant recipient (with an interdisciplinary team) for “ACT VALUE Program for Asthma and COPD” (Ambulatory Care Transformation Using Value-Based Assessment and Learning for Under-recognized Etiologies: Asthma & COPD).

Publications

- **Wilken L,** Eades A. Asthma. In: Chisholm-Burns MA, et al., eds. *Pharmacotherapy Principles & Practice*, 5th ed. New York: McGraw-Hill. In press.
- Gregory KL, **Wilken L,** Hart MK. *Guide to Aerosol Delivery Devices for Physicians, Nurses, Pharmacists and Other Health Care Professionals*, 3rd ed. American Association for Respiratory Care, January 5, 2018.
- **Wilken LA,** Joo MJ. Pulmonary function and related tests. In: Lee M, ed. *Basic Skills in Interpreting Laboratory Data*, 6th ed. Bethesda, MD: American Society of Health-System Pharmacists, 2017:315-27.

Other Notable Achievements

- **Laura Traynor:** Asthma Educator – Certified 2018.
- **Lori A. Wilken:**
Board Certified Ambulatory Care Pharmacist, Board of Pharmacy Specialties, Certificate 6110488.
Asthma Educator – Certified, June 2004 – July 2025, National Asthma Educator Certification Boards, Certificate 822.
National Certificate in Tobacco Treatment Practice, June 13, 2018, Association for Addiction Professionals and Association for the Treatment of Tobacco Use and Dependence.
- **Richard Williams:** Associate Director of Pharmacy, SUNY Downstate Medical Center.

Women’s Health PRN

Introduction

This was another exciting and productive season for the Women’s Health PRN. Members’ publications, awards, accomplishments, and grants are listed below.

Promotions

- **Shareen El-Ibiary:** Department Chair, Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale.
- **John Brock Harris:** Associate Professor at Wingate University School of Pharmacy, Wingate, North Carolina.
- **Angela K. Nagel:** Vice Chair, Department of Pharmacy Practice and Administration; Wegmans

School of Pharmacy, St. John Fisher College.

- **Patricia Wigle:** Professor, Clinical Pharmacy Practice Division of Pharmacy Practice University of Cincinnati, James L. Winkle College of Pharmacy, Cincinnati, Ohio.

Awards

- **Zaneera Hassan:** Nellie Wakeman Fellowship 2018–2019. \$7500 awarded February 2018, sponsored by the American Foundation for Pharmaceutical Education and Kappa Epsilon Pharmacy Fraternity.
- **Mary Beth O’Connell:** Lambda Kappa Sigma Professional Pharmacy Fraternity Advisor of the Year Award.

Grants

- **Angela K. Nagel:** 2018 Faculty Research Awards Program (FRAP). Funding by Wegmans School of Pharmacy, St. John Fisher College.
- **Sally Rafie:**
Principal Investigator: Community Grant from March of Dimes. Project title: “Healthy Pregnancies and Healthy Babies: Pharmacist Interventions for Improved Outcomes.”
Co-Principal Investigator: Community Engagement Grant from University of California San Diego Altman Clinical & Translational Research Institute. Project title: “Exploring the Layers of Logistics for Adoption: Utilizing the PRISM Framework-Informed Implementation Intervention for Direct Provision of Emergency Contraception by Pharmacists (ELLA Study).”

Publications

- Dickson B, Mansfield C, Guiahi M, Allhouse AA, **Borgelt L,** Sheeder J, Silver RM, Metz TD. Recommendations from cannabis dispensaries about first trimester cannabis use. *Obstet Gynecol* 2018;131:1031-8.
- Anderson L, **Borgelt LM,** Clark P, Moore G. Encouraging comprehensive and consistent pharmacist education for provision of contraception. *J Am Pharm Assoc* 2018;58:113-6.
- Crume TL, Juhl AL, Brooks-Russell A, Hall KE, Wymore E, **Borgelt LM.** Cannabis use during the perinatal period in a state with legalized recreational and medical marijuana: the association between maternal characteristics, breastfeeding patterns, and neonatal outcomes. *J Pediatr* 2018;197:90-6.
- DeSalvo K, Stamm C, **Borgelt LM.** Evaluation of reported contents in prescription and over-the-counter prenatal multivitamins. *J Am Pharm Assoc* 2018;58:258-267.e3.

- Traynor AP, **Borgelt LM**, Rodriguez T, Ross LA, Schwinghammer T. Use of a modified Delphi process to define the leadership characteristics expected of pharmacy faculty. *Am J Pharm Educ* 2018. In press.
- Fortuna R, **Nagel A**, Rocco T, Legette-Sobers S, Quigley D. Patient experience with care and its association with adherence to hypertension medications. *Am J Hypertens* 2018;31:340-5.
- Ng C, **Rafie S**, Najjar R, DiPietro Mager N. Pharmacist and student pharmacist perspectives on providing preconception care in the United States. *J Am Pharm Assoc* 2018;58:426-31.
- Raifman S, Orlando M, **Rafie S**, Grossman D. Medication abortion: potential for improved access through pharmacies. *J Am Pharm Assoc* 2018;58:377-81.
- **Stone RH**, Anguiano R, Falk K, Bobowski C, Alvarez P, Mastrogiannis D. Latency of 17OHP delivery from prescription to first dose in patients receiving compound vs commercial product and patient outcomes. *J Reprod Med* 2018;63:276-84.

New ACCP Fellows:

- **Patricia Wigle**

Other Notable Achievements

- **Mary Beth O'Connell**: Fellow, American Geriatrics Society.

ACCP RELEASES NEW CARDIOLOGY AND INFECTIOUS DISEASES SPECIALTY PREP COURSES

ACCP's newest board specialty preparatory courses in cardiology pharmacy and infectious diseases pharmacy are now available. Both courses follow ACCP's case-based instructional method, which has been proven successful for thousands of pharmacists taking the ambulatory care pharmacy, critical care pharmacy, pediatric pharmacy, and pharmacotherapy exams. The cardiology pharmacy and infectious diseases pharmacy courses comprehensively address key concepts and guidelines, and both have been designed to help clinicians fully prepare for the respective exams. Instructional materials for all courses are available today in the ACCP [Bookstore](#).

Advantages of purchasing an ACCP preparatory review course include:

- 750+ page detailed workbook covering key content areas;
- More than 200 case-based questions and explained answers for effective learning and self-assessment;

- Convenience of studying from home, office, or anywhere with Internet connectivity or access to an MP3 player;
- Fast-paced, yet comprehensive review of the full scope of the specialty; and
- Ability to start studying immediately.

Packaged instructional materials include the entire course content in print and online formats for \$405 for ACCP members. Course workbooks are available for an additional charge.

CPE credit is available for either course's home study package for those who successfully complete and submit the web-based posttest to ACCP by October 31, 2019. Program goals, technical requirements, samples from each course, and additional information are available at www.accp.com/store.

Orders for the Cardiology Pharmacy or Infectious Diseases Pharmacy Preparatory Review home study course may be placed online at www.accp.com/store, by telephone at (913) 492-3311, or by fax at (913) 492-0088.

BOARD OF TRUSTEES UPDATE: FALL 2018

We will share a quick update on the events of the Board of Trustees since the last *PRN Report*. As always, thank you for your support and engagement.

Board of Trustees to Unveil Exciting Plans

The Board of Trustees has completed an 18-month process of environmental scanning, member and PRN input gathering, and thoughtful strategic plan shaping. The plan and bold future endeavors will be introduced and promoted during the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington.

Congratulations to 2018 Futures Grants Program Awardees

The Frontiers Fund supports clinical pharmacy researcher development and clinical pharmacy research advancement. Through its Futures Grants Program, the Board of Trustees is especially interested in supporting the development of research skills among student, trainee, and early-career ACCP members with a goal of establishing a sustained interest and careers in clinical pharmacy research.

This year, 63 applications were received for mentored research funding. After all were reviewed according to the program's core review criteria, five were selected for funding. All award recipients attending the Global Conference will be recognized during the Awards and Recognition Ceremony on Sunday, October 21, in Seattle.

Junior Investigator Awards

- **Daniel J. Crona:** A Prospective Multi-dose Study of Apixaban in Nephrotic Syndrome Patients. Mentor: Nigel S. Key, MB ChB, FRCP.
- **Jasmine A. Luzum:** Precision Medicine for Heart Failure: The Role of Genomics in the Efficacy and Racial Disparity of Cornerstone Pharmacotherapy. Mentor: David E. Lanfear, M.D., M.S., FACC, FAHA, FHFA.

Student/Resident Awards

- **Matthew S. Duprey:** Association Between Opioids and Delirium in Critically Ill Adults. Mentor: John Devlin, Pharm.D., FCCP, FCCM.
- **Omar Perez:** Treatment Strategies for Ceftazidime-Avibactam Resistant KPC-Producing *K. pneumoniae*. Mentor: Zackery P. Bulman, Pharm.D.
- **Anh Truong:** Hermo-responsive Estrogen Receptor-fusions for Spatiotemporal Control of Signaling and Gene Regulation. Mentor: J. Andrew MacKay, Ph.D.

The Board of Trustees and staff would also like to express their sincere gratitude to the expert reviewers who served on the Junior Investigator and Student/Resident award review committees. Members of the Junior Investigator Award Review Committee were Erin Frazee Barreto, Debra Barnette, Kyle Burghardt, Mariann Churchwell, Jeffrey Fong, Ajna Hamidovic (chair), Kirolos Hanna, J. Kevin Hicks, Jason Karnes, Roger D. Lander, David E. Martin, Jeannine McCune, Melanie Nicol, Brian Overholser, Pamala A. Pawloski, Diana Sobieraj, Erica Titus-Lay, and Michael Ujhelyi. Members of the Student/Resident Award Review Committee were Thomas Dowling, Jennifer L. Cole, Kristine R. Crews, Allison Hein, Qing Ma, Keith Olsen, and Meghana Trivedi (chair).

For more information about the Futures Grants Program, please visit [here](#).

Board of Trustees and Board of Directors to Sponsor Open House at the 2018 Global Conference

Tuesday, October 23, 8:00 a.m. to 10:00 a.m.
Please join us for an Open House at the ACCP Global Conference on Clinical Pharmacy in Seattle, Washington, to learn how to get more involved with the ACCP extended family. Throughout the Open House, you will have the opportunity to speak directly with board members and advisory panel members, specifically about:

1. Developing manuscripts of interest;
2. Serving as a *Pharmacotherapy* or *JACCP* reviewer;
3. Becoming a *Pharmacotherapy* or *JACCP* editorial board member;
4. Asking your questions for the editors-in-chief;
5. Serving as a reviewer for contributed scientific abstracts;

6. Earning Researcher Development: Focused Investigator Training (FIT), Mentored Research Investigator Training (MeRIT), and ACCP Academy Research and Scholarship certificates;
7. Obtaining research funding available through the student/resident and junior investigator Futures Grants;
8. Engaging in collaborative research experiences; and
9. Learning what's in store for the future.

Coming Soon: Plan Your "Walk-Rounds" Through the Scientific Poster Presentations

Many PRNs conduct "walk-rounds" during the Scientific Poster Presentations at the ACCP Annual Meeting each year. In these, small groups of PRN members move through preselected posters and discuss the presentations' findings and implications with the authors. Again this year, each PRN (through liaisons and officers) will be provided with a list of posters for which members of their respective PRNs are named as presenting or coauthors. The lists are expected to be distributed no later than September 28. If your PRN does not receive a copy, please contact Shelly Enders (senders@accp.com)

Investigator Development

Mentored Research Investigator Training (MeRIT) Program

This one-of-a-kind training program is designed to help pharmacists develop 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 investigators 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, project completion, to presentation and publication). Be sure to visit the 2017 MeRIT participants' completed research posters and the 2018 MeRIT participants' research design posters during the Global Conference on Clinical Pharmacy in Seattle, Washington, Tuesday, October 23, from 8:30 a.m. to 10:00 a.m. in the Washington State Conference Center.

The application period for the 2019 MeRIT Program will open in October 2018, with letters of intent due February 28 and full applications due March 31. The primer program will be held June 17–21, 2019, on the campus of the University of Kentucky College of Pharmacy in Lexington.

Focused Investigator Training (FIT) Program

Our flagship pharmacist investigator training program continues June 17–21, 2019, at the University of Kentucky College of Pharmacy in Lexington. If you are preparing to submit (or resubmit) a research proposal to the 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. The application period for the 2019 FIT Program will open in October 2018, with letters of intent due February 28 and full applications due March 31.

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 the FIT Program.

More information on MeRIT and FIT is available at the Board of Trustees and Board of Directors Open House on Tuesday, October 23, from 8:00 a.m. to 10:00 a.m. in the Washington State Conference Center, Tahoma 5, or on the website [here](#).

WASHINGTON UPDATE

ACCP Pays Tribute Clinical Pharmacy Leader Ed Webb on His Retirement

C. Edwin Webb, Pharm.D., MPH, longtime director of Government and Professional Affairs and ACCP associate executive director, retired July 31 after serving in a part-time role since January 2018. He will continue to serve the College's Board of Regents and executive staff as a consultant.

An ACCP member since 1988, Webb received his B.S. (1972) and Pharm.D. (1973) degrees from the University of Tennessee College of Pharmacy. He received an MPH degree from the University of North Carolina at Chapel Hill in 1985. In June 1993, Webb completed a primary health care policy fellowship with the Health Resources

and Services Administration of the U.S. Public Health Service. He has practiced and taught in hospital, clinic, and community settings.

In total, Webb served the pharmacy profession for almost 30 years in the areas of policy analysis, advocacy, and professional affairs. Webb joined ACCP in April 2000 as its inaugural director of Government and Professional Affairs and shortly thereafter established a new College office in Washington, D.C. Before coming to ACCP, he worked in professional affairs at the American Pharmaceutical Association (now the American Pharmacists Association) and in professional/government affairs at the American Association of Colleges of Pharmacy (AACCP).

In addition to managing ACCP's Washington office and directing the College's Government and Professional Affairs, Webb represented ACCP at national and regional symposia; during meetings with pharmacy, health care, and consumer groups; and through interactions with members of Congress, regulators, and legislative staff.

ACCP has been fortunate to have on staff someone with such a unique combination of pharmacy association experience, leadership ability, analytical skills, and personal integrity. Webb's leadership helped establish the ACCP/ASHP/VCU Pharmacy Policy Fellow Program, now in its 11th year. He was instrumental in the work of the multi-organizational Council on Credentialing in Pharmacy to provide guidance, standards, and promotion of the profession's credentialing, accreditation, and certification efforts. Webb also led ACCP's collaboration with AACCP in 2011–2012 to establish the Institute of Medicine (now the National Academy of Medicine) Fellowship in Pharmacy. Most recently, he was integral in developing ACCP's *Standards of Practice for Clinical Pharmacists* and the policy constructs, practice standards, and desired deliverables contained in the RFA (request for application) for the \$2.4 million ACCP grant to study the implementation of comprehensive medication management in primary care medical practices. He also led the expansion of ACCP's Washington, D.C., staff in 2006–2018.

ACCP Establishes the C. Edwin Webb Professional Advocacy Award

Throughout his professional career, Webb has served as a valued leader, mentor, and friend to countless pharmacist colleagues, including the executive and volunteer leadership of ACCP and other pharmacy associations and ACCP members, students, and trainees. In recognition of his commitment, vision, and many contributions to the advancement of clinical pharmacy, the Board of Regents has established the C. Edwin Webb Professional

Advocacy Award, which will issue its first call for nominations in 2018–2019. The award will recognize an ACCP member who:

- Has made outstanding contributions to the visibility and value of clinical pharmacy in national political, policy, intraprofessional, and/or interprofessional arenas;
- Has assembled a record of mentoring others who have gone on to assume a health professions and/or health policy leadership role; and
- Is recognized as an ambassador for clinical pharmacy both within and outside the profession.

Asked to provide perspective on his career with ACCP, Webb commented:

Being a member of the senior executive staff of ACCP for almost 2 decades has been the ultimate professional opportunity – and experience – of my career. The core values, mission, and purpose of the College and its members, from the founding in 1979, have made representing and articulating the practice, research, and teaching activities of clinical pharmacists the simplest and still most profound pharmacy advocacy message in Washington, D.C. – “the patient-centered, team-based practice of clinical pharmacists that optimizes medication use.” I am forever grateful to Drs. Elenbaas and Maddux, and the many Boards of Regents they have led, for their absolute commitment to the importance of this work and to their faith in me and our D.C. staff to execute the College’s advocacy agenda. The work is incremental and never-ending. But it is succeeding in its purpose. I have been blessed to be a part of it.

Announcing the 2018 ACCP-PAC PRN Challenge



For the fourth consecutive year, ACCP is pleased to announce the launch of the **ACCP-PAC PRN Challenge**.

Consistent with the priorities set by ACCP’s strategic plan and the

College’s organization-wide commitment to clinical practice transformation, ACCP’s Washington, D.C., office has focused for the past 4 years on an advocacy effort that calls on Congress to enact legislation to provide Medicare patients with coverage for comprehensive medication management (CMM) as part of evolving payment and care delivery models.

ACCP is now specifically calling on PRN members to demonstrate their commitment to the College’s advocacy priorities through contributions to ACCP’s Political Action Committee (ACCP-PAC).

[Click here to contribute today!](#)

How the Challenge Works

The ACCP-PAC PRN Challenge will determine which PRN provides the greatest PAC support. PRN members who contribute to the PAC online will have an option to designate a PRN to receive credit for their contribution.

- The challenge will recognize two winners:
 - The PRN whose members contribute the most money in total; and
 - The PRN with the highest percentage of members who contribute to the PAC.
- ACCP members who belong to multiple PRNs can make multiple contributions in the name of each PRN, but only one PRN can receive credit for any single contribution.
- Unlike contributions to the Frontiers Fund, ACCP-PAC cannot accept contributions directly from PRNs. All PAC contributions must be made by individuals from personal funds. Because of Federal Election Commission (FEC) regulations, PAC contributions are NOT deductible as charitable donations for federal tax purposes and must be made from personal funds and/or post-tax dollars.
- To qualify for the Challenge, PRN members must contribute at least \$5. However, to increase the funds available to give to candidates this election season, the College urges PRN members to contribute at least \$25 to this effort.
- The winning PRNs will be awarded coveted, preferential timeslots for PRN business meetings at the next ACCP Annual Meeting.
- Results will be announced at the ACCP Global Conference on Clinical Pharmacy in Seattle, Washington, this October.
- Please contribute online at www.accpaction.com.

PRN leaders and members are encouraged to take the time to highlight the challenge in PRN meetings and online communications to PRN members. For more information, contact John McGlew (jmcglew@accp.com or 202-621-1820).

Who Receives ACCP-PAC Support?

All decisions regarding financial contributions to candidates are made by the PAC Governing Council according to certain established criteria:

- Position on key health care committees in Congress;
- Proven support for pharmacy and health care–related issues; and
- Previous health care experience.

The key health care–related committees in the House of Representatives are the Appropriations, Ways & Means, and Energy & Commerce committees and, in the Senate, the Appropriations, Finance & Health, Education, Labor & Pensions (HELP) committees.

ACCP members who contribute to the PAC may recommend candidates to receive contributions. All PAC contributor recommendations will be considered; however, not all requests may be accommodated. The ACCP-PAC Governing Council must approve all candidate contributions.

As a federal committee, the ACCP-PAC can only contribute to candidates who are running for federal office (candidates for the U.S. House of Representatives or U.S. Senate, not state legislatures or gubernatorial races).

Thank you for supporting this important initiative. For more information, visit the ACCP-PAC website at www.accpaction.com or contact John McGlew (jmcglew@accp.com).

Grassroots Action Alert: Strengthening Medicare Through Comprehensive Medication Management

In keeping with ACCP's core values and mission, the College is fully committed to an organization-wide priority of clinical practice advancement and practice transformation. Central to this effort, ACCP's Washington office has focused on an advocacy initiative called the "Medicare Initiative" that calls on Congress to enact legislation to provide Medicare patients with coverage for comprehensive medication management (CMM) as part of broader reforms to establish a patient-centered interprofessional and collaborative approach to health care delivery that removes existing professional and payment silos.

ACCP's focus on the service (the "what"), rather than the provider (the "who"), and its requirement that these services be delivered under formal collaborative practice agreements or clinical privileges granted by the health care setting in which the pharmacist practices have played a significant role in facilitating the College's progress on Capitol Hill and its ongoing outreach to the physician community.

ACCP's Medicare Initiative is intended to position clinical pharmacists to participate in evolving care delivery and payment models. The process of care ACCP proposes is consistent with the vision for medication management in the [patient-centered medical home \(PCMH\)](#) endorsed by the [Patient-Centered Primary Care Collaborative \(PCPCC\)](#) and is necessary to achieve many of the quality metrics established under evolving Medicare alternative payment models to help ensure medication optimization, enhance patient safety, promote value-based rather than volume-based care to patients, and contribute to greater affordability and sustainability for the Medicare program.

Since launching the Medicare Initiative, ACCP has made significant progress on Capitol Hill, resulting in meaningful interest from a bipartisan group of lawmakers who recognize the value of a truly patient-centered,

team-based approach to health care and understand that "getting the medications right" through consistent CMM is a vital component of evolving payment and care models both in Medicare and across all payers and delivery systems.

However, members of Congress also need to hear from clinical pharmacists delivering direct patient care services in their state or district. The College has prepared a letter to Congress describing its Medicare Initiative that you can review and edit. You can send this letter in just a few easy clicks, but for maximum impact, you are encouraged to personalize the letter by sharing additional information about your clinical practice and the patients you care for.

Please take the time to personalize the letter by providing additional information about your practice and the patients you care for. Please also consider inviting your senators and representative to visit your practice setting so that they can learn firsthand about the value of clinical pharmacists on the health care delivery team.

Simply click [here](#) to visit ACCP's Legislative Action Center and follow the instructions to send your message to your representative and senators. Thank you for participating in this important advocacy effort!

Now Accepting Applications – ACCP/ASHP/VCU Pharmacy Policy Fellow Program

Launched in 2006 under the guidance of Dr. Ed Webb, the Pharmacy Policy Fellow Program is a collaborative effort of ACCP, the School of Pharmacy at the Medical College of Virginia/Virginia Commonwealth University, and the American Society of Health-System Pharmacists.

Pharmacists who participate in the program have the opportunity to gain real-world insight into health care policy analysis and development through immersion in the congressional environment. Fellows are actively mentored in legislative evaluation, policy development, research, and writing while integrating practical experience with theory. The 2017–2018 Fellow, Nellie Jafari, has spent the past 12 months working in the office of Senator Chris Murphy, a Democrat from Connecticut.

The 2018–2019 Fellow, Tina Chhabra, recently completed a fellowship at Biogen Inc., a biotech firm based in Cambridge, Massachusetts, in regulatory sciences and safety and benefit-risk management through the MCPHS University Biopharmaceutical Industry Fellowship Program. Chhabra holds a bachelor's degree in political science from Virginia Commonwealth University (VCU) and a doctorate in pharmacy, also from VCU.

The program provides a unique health care policy learning experience designed to demonstrate the value of pharmacy-government interaction and to facilitate practical contributions to the effective use of scientific and pharmaceutical knowledge in government policy

development. Fellows spend the first 2 months of the program with each of the professional organizations as members of their respective government and professional affairs staff. In September of the fellow year, Fellows begin working in a legislative environment requiring health care input on the staff of an individual senator or representative or a relevant congressional committee.

The program provides Fellows with an enriching opportunity to develop legislative evaluation and policy development skills, improve their research and writing skills, and integrate practical policy experience with theory. The Fellow is expected to undertake a wide array of responsibilities, including researching and preparing briefs on health care issues, assisting with policy decisions, drafting memoranda, and planning, organizing, and carrying out program and management objectives.

Fellows typically seek congressional office placement with a committee that predominantly deals with health issues, such as the Senate Health, Education, Labor, and Pensions (HELP) Committee and Senate Finance Committee or the House Ways and Means or Energy and Commerce Committees.

Applications for the 2019–2020 Pharmacy Policy Fellow Program

Interested candidates should visit the [Pharmacy Policy Fellow Program](#) website for more information and instruction on submitting an application. Interested candidates should visit the website for more information and instruction on submitting an application.

Contact Us! For more information on any of ACCP's advocacy efforts, please contact the ACCP Government and Professional Affairs Team:

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Daniel S. Aistrope, Pharm.D., BCACP
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POSTGRADUATE TRAINEE UPDATE

Residents, Fellows, and Graduate Students

The resident, fellow, and graduate student monthly electronic newsletter highlights membership benefits, important dates, residency programs, individual PRNs, and answers to postgraduate trainee questions. You can preview the newsletter at www.accp.com/resfel/newsletter.aspx. You can follow news and events for postgraduate trainees on Twitter @ACCPpostgrads.

The ACCP Mentoring Program allows all postgraduate trainee members of ACCP to search for and select a mentor from the database of ACCP volunteer members. Once trainees have selected a mentor, they are encouraged to correspond with their mentor at least monthly throughout their training year. ACCP supports mentors and mentees with monthly e-mails of potential topics for discussion. Opportunities and resources offered by ACCP are also included in the monthly correspondence. The 2018–2019 program will open on September 5, 2018, to residents and fellows seeking a mentor.

ACCP continues to meet resident- and fellow-specific needs at the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington, with programs on perfecting poster presentations and establishing a professional profile on social media. In addition, the Professional Placement Forum (previously known as the Resident and Fellowship Forum) has added new practitioner positions to allow trainees a head start on their job search.

The 2019 Resident Advisory Committee has been appointed. The committee will be chaired by Sara Alosaimy and co-chaired by Brian Kurish. Members-at-large serving on the committee will include Hetty Cheng, Heba Edrees, Manar Kandil, Jordan Kelley, Faisal Minhaj, William Moore, Lindsay Moreland, Taylor Morrisette, Daniel Przybylski, Caroline Quinn, Louisa Sullivan, Anne Thorndyke, and Michelle Tran.

STUDENT INITIATIVES UPDATE

ACCP Clinical Pharmacy Challenge: The Pursuit of Excellence Continues

Now in its ninth year, ACCP's national team competition for pharmacy students returns to the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. From an initial field of 117 teams, eight have advanced through four online rounds of competition to reach the quarterfinals. The following are the 2018 ACCP Clinical Pharmacy Challenge Quarterfinal Teams.

2018 ACCP Clinical Pharmacy Challenge Schedule

Saturday, October 20	
7:45 a.m. – 8:45 a.m.	Participant walk-through and photo session
Quarterfinal A	
9:45 a.m. – 10:15 a.m.	Butler University College of Pharmacy and Health Sciences vs. Oregon State University/OHSU College of Pharmacy
Quarterfinal B	
10:30 a.m. – 11:00 a.m.	University of Minnesota College of Pharmacy vs. Medical University of South Carolina College of Pharmacy
Quarterfinal C	
11:15 a.m. – 11:45 a.m.	University of Southern California School of Pharmacy vs. University of Colorado Anschutz Medical Campus Skaggs School of Pharmacy and Pharmaceutical Sciences
Quarterfinal D	
Noon – 12:30 p.m.	University of Rhode Island College of Pharmacy vs. University of Kentucky College of Pharmacy
Sunday, October 21	
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 22	

Travel Awards Promote Student and Resident/Fellow Meeting Attendance

ACCP initiated its Student Travel Awards and Resident/Fellow Travel Awards programs to support and encourage student, resident, and fellow attendance at ACCP national meetings as well as to expand opportunities for students and postgraduate trainees throughout the organization. To date, ACCP has awarded more than \$84,500 in travel stipends and complimentary meeting registrations. In addition, many PRNs now offer their own travel awards for students, residents, and fellows, providing even more opportunities for attendees to apply for funding to defray the costs associated with attending the ACCP Annual Meeting.

ACCP thanks the following PRNs and chapters for either donating funds to ACCP Travel Awards programs or sponsoring their own travel awards:

- Adult Medicine
- Ambulatory Care
- Cardiology
- Central Nervous System
- Clinical Administration
- Critical Care
- Drug Information
- Education and Training
- Emergency Medicine
- Endocrine and Metabolism
- Geriatrics
- GI/Liver/Nutrition

- Gulf College of Clinical Pharmacy
- Health Outcomes
- Hematology/Oncology
- Immunology/Transplantation
- Infectious Diseases
- Nephrology
- Pain and Palliative Care
- Pediatrics
- Perioperative Care
- Pharmacokinetics/Pharmacodynamics/
Pharmacogenomics
- Women's Health

2018–2019 National Student Network Advisory Committee (SNAC) Appointed

Earlier this year, ACCP issued a call for applications to student members interested in serving on the SNAC. The College received applications from students across the country. After reviewing these applications, ACCP President-Elect Suzanne Nesbitt selected student members for appointment. The committee will convene at the upcoming 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington.

ACCP is pleased to announce the appointment of the following student members to the 2018–2019 SNAC.

Chair: Peter Atkins, Oregon State University College of Pharmacy

Vice Chair: Victoria Miller, University of Mississippi, School of Pharmacy

Secretary: McKenzie Montgomery, University of Toledo College of Pharmacy and Pharmaceutical Sciences

Members-at-Large:

- Nhung Do, University of Wisconsin, Madison School of Pharmacy
- Julie Farrar, University of Tennessee Health Science Center College of Pharmacy
- Lindsey Groff, University of Texas at Austin College of Pharmacy
- Barkha Jain, Rutgers University, Ernest Mario School of Pharmacy
- David Lu, Northeastern University Bouvé College of Health Sciences School of Pharmacy
- Van Nguyen, Pacific University School of Pharmacy
- Logan Pirkel, University of Minnesota College of Pharmacy
- Mikhaila Rice, University of Pittsburgh School of Pharmacy
- Autumn Walkerly, Northeast Ohio Medical University College of Pharmacy

ACCP Student Chapter Awards Announced

This award recognizes the ACCP student chapter that has exemplified strength in leadership, dedication in patient care, and passion for professional development through its activities and membership. The chapter's activities should address ACCP's core values of extending the frontiers of clinical pharmacy and promoting dedication to excellence in patient care, research, and education. A key component of all the core values is the clinical pharmacist's ability to work collaboratively within the health care environment. Each chapter must demonstrate its ability to work with other health disciplines. Please join ACCP in congratulating this year's Outstanding Student Chapter Award-winning institution, University of Houston. ACCP President Jill Kolesar will present the officers representing the University of Houston with their Outstanding Chapter plaque and \$1000 award during the Student Chapter Forum session on Saturday, October 20, during the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington.

ACCP Clinical Research Challenge – Winning Teams to Present Posters at ACCP Global Conference



Competition in the 2018 ACCP Clinical Research Challenge (CRC) began on February 3 with [80](#) teams participating in Round 1: Online Journal Club Examination. Teams achieving the top 40 scores after the initial online Journal Club Round advanced to Round 2: Letter of Intent (LOI) Submission. Teams achieving the top 20 scores after round 2 were invited to compete in round 3: Research Protocol Development. Teams were tasked with developing a research proposal designed to demonstrate the clinical pharmacist's value in providing antimicrobial stewardship services in a small, rural, critical access hospital environment.

Proposals were reviewed by the CRC Review Panel, and submissions ranking in the top one-third were referred on for evaluation and selection of [awards](#) by the CRC Oversight Panel. Please join ACCP in congratulating the finalist teams and the award winners.

ACCP Clinical Research Challenge Finalist Teams

Lake Erie College of Osteopathic Medicine School of Pharmacy

Oregon State University College of Pharmacy

University of Arizona College of Pharmacy

University of Hawaii at Hilo College of Pharmacy

University of Maryland School of Pharmacy

University of Minnesota College of Pharmacy

University of North Carolina Eshelman School of Pharmacy

University of Pittsburgh School of Pharmacy

Wayne State University Eugene Applebaum College of Pharmacy and Health Sciences

ACCP Clinical Research Challenge Awards

Championship Team: University of Minnesota College of Pharmacy

Proposal Title: Antibiotic Stewardship in a Small Hospital: Overcoming Barriers with Telemedicine

Student Team Members: Karla Marz, Parker Johnson, Victoria Smith

Faculty Liaison: Ann Philbrick, Pharm.D., BCPS, BCACP

Second-Place Team: Lake Erie College of Osteopathic Medicine School of Pharmacy

Proposal Title: The Value of a Clinical Pharmacist–Led Antimicrobial Stewardship Network: Evaluating Improved Clinical Outcomes and Cost Savings in a Critical Access Hospital

Student Team Members: Brianna Kousin, Emma Wysocki, Shannon Haberman

Faculty Liaison: Randall Heemer, Pharm.D.

Third-Place Team: Oregon State University College of Pharmacy

Proposal Title: Impact of Clinical Pharmacist–Led Delayed Prescribing of Antibiotics for Uncomplicated Urinary Tract Infections in the Emergency Department

Student Team Members: Chelsea Harmon, Rachel Proteau, Tyler Lantz

Faculty Liaison: Adrian Irwin, Pharm.D.

These three teams have been invited to present their research design during the Scientific Poster Sessions at the 2018 ACCP Global Conference on Clinical Pharmacy in Seattle, Washington. Please stop by to view their proposal designs and meet the winning teams. The three teams will be present at the following poster session times.

Scientific Poster Presentations, I and Lunch

11:30 a.m. to 1:00 p.m. (PDT)

Scientific Poster Presentations, II

1:00 p.m. to 2:30 p.m. (PDT)

Scientific Poster Presentations, IV

1:00 p.m. to 2:30 p.m. (PDT)

PRN MEMBERSHIP TOTALS

PRACTICE AND RESEARCH NETWORK	TOTAL
Ambulatory Care PRN (AMBU)	1065
Adult Medicine PRN (AMED)	1944
Cardiology PRN (CARD)	1155
Central Nervous System PRN (CNSY)	219
Clinical Administration PRN (CADM)	457
Critical Care PRN (CRIT)	2200
Drug Information PRN (DINF)	292
Education and Training PRN (EDTR)	590
Emergency Medicine PRN (EMED)	1039
Endocrine and Metabolism PRN (ENDO)	269
Geriatrics PRN (GERI)	331
GI/Liver/Nutrition PRN (GILN)	189
Global Health PRN (GLBL)	163
Health Outcomes PRN (OCEC)	196
Hematology/Oncology PRN (HMON)	767
HIV PRN (HIV)	223
Immunology/Transplantation PRN (IMTR)	517
Infectious Diseases PRN (INFD)	2117
Nephrology PRN (NEPH)	203
Pain and Palliative Care PRN (PAIN)	347
Pediatrics PRN (PEDI)	896
Perioperative Care PRN (PERI)	100
Pharmaceutical Industry PRN (INDU)	245
Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN (PKPD)	292
Pulmonary PRN (PULM)	76
Women's Health PRN (WOMN)	187
TOTAL:	16,079

PRN CONTACT INFORMATION

For more information about a specific PRN, please contact the PRN's incoming chair identified as follows.

PNR TITLE	PNR CONTACT
Adult Medicine	<u>Leigh Anne H. Gravatt</u>
Ambulatory Care	<u>Kelly Cochran, Pharm.D., BCPS</u>
Cardiology	<u>Craig J. Beavers, Pharm.D., BCPS, CACP</u>
Central Nervous System	<u>Jeannine M. Conway, Pharm.D., BCPS</u>
Clinical Administration	<u>Elizabeth L. Michalets, Pharm.D., FCCP, BCPS</u>
Critical Care	<u>Drayton A. Hammond, Pharm.D., BCPS, BCCCP</u>
Drug Information	<u>Janine S. Douglas, Pharm.D., BCPS</u>
Education and Training	<u>Eliza A. Dy-Boarman, Pharm.D.</u>
Emergency Medicine	<u>Nadia I. Awad, Pharm.D., BCPS</u>
Endocrine and Metabolism	<u>Christie A. Schumacher, Pharm.D., BCPS, BCACP</u>
Geriatrics	<u>Emily P. Peron, Pharm.D., M.S.</u>
GI/Liver/Nutrition	<u>Johnathan Voss, Pharm.D.</u>
Global Health	<u>Jodie V. Malhotra, Pharm.D.</u>
Health Outcomes	<u>Diana M. Sobieraj, Pharm.D.</u>
Hematology/Oncology	<u>Larry W. Buie, Pharm.D., FASHP, BCOP</u>
HIV	<u>Neha S. Pandit, Pharm.D., BCPS, AAHIVP</u>
Immunology/Transplantation	<u>James N. Fleming, Pharm.D., BCPS</u>
Infectious Diseases	<u>Elias B. Chahine, Pharm.D., FCCP, BCPS-AQ ID</u>
Nephrology	<u>Rachel F. Eyler, Pharm.D.</u>
Pain and Palliative Care	<u>Jennifer Pruskowski, Pharm.D., BCPS, CGP</u>
Pediatrics	<u>Rebecca S. Pettit, Pharm.D., MBA, BCPS</u>
Perioperative Care	<u>Richard H. Parrish II, Ph.D., FCCP, BCPS</u>
Pharmaceutical Industry	<u>Carmelina Staino, Pharm.D.</u>
Pharmacokinetics/Pharmacodynamics/Pharmacogenetics	<u>Kelly E. Caudle, Pharm.D., Ph.D.</u>
Women's Health	<u>Rebecca H. Stone, Pharm.D., BCPS, BCACP</u>