

## PRESIDENT'S COLUMN

### PRNs in the First 40 Years of ACCP



**Suzanne Amato Nesbit, Pharm.D.,  
FCCP, BCPS, CPE**

As we prepare to celebrate ACCP's 40th anniversary at the Annual Meeting in New York City, we are afforded the opportunity to reflect on the rich history of the Practice

and Research Networks (PRNs), a vital component of the organization.

The first PRN was the Critical Care PRN, formed in 1992 under the mentorship of Joe Dasta and Barbara Zarowitz. The Ambulatory Care and CNS PRNs quickly followed a few months later. By the College's 30th anniversary, there were 22 active PRNs. Today, there are 26. The goal of the PRNs was, and still is, to bring together clinical pharmacists who have shared interests in both practice and research. The vision was for PRNs to foster professional networking and provide continuing education. More recently, the PRNs have provided members with both valuable viewpoints and professional experience through discussion on the e-mail lists.

It is informative to review the events occurring in the profession of pharmacy at the inception of the PRNs that may have helped shape the need for these networking forums. In the early 1990s, the path toward the Pharm.D. as the entry-level degree was well established. The largest pharmacy organizations at the time had already endorsed the concept, and in 1992, the American Association of Colleges of Pharmacy House of Delegates passed a resolution supporting the entry-level Pharm.D. as the single degree for the profession.

Board certification was growing in the 1990s. Petitions seeking recognition of psychiatric pharmacy and oncology were sent to the Board of Pharmacy Specialties. Meanwhile, the first board certification exams were administered for pharmacotherapy and nutrition support. By 1996, certification exams for both oncology and

psychiatric pharmacy were also offered.

Residency training was also expanding when the ACCP PRNs were being formed. ASHP merged the accreditation standards of hospital and clinical pharmacy residencies into a new Residency in Pharmacy Practice standard. The new standard included experiences in both acute and ambulatory care, drug information, and practice management. Around this time, ACCP initiated a voluntary peer-review process for fellowships.

With the growth of board certification, residency training opportunities, and the Pharm.D. soon to be the entry-level degree for the profession, it is easy to see how it was desirable to create a mechanism for clinical pharmacists to share common interests in education and training, pursue board examination preparation and recertification, and facilitate professional networking. The PRNs continue to provide benefit to their members and the College membership at large. The PRNs foster leadership development, with many elected officers of the College first having experience in PRN governance. The College's Board of Regents often solicits PRN advice when reviewing specialty clinical guidelines or organizational statements seeking ACCP endorsement. The PRNs have the opportunity to provide professional insights and commentaries through developing PRN opinion papers. And of course, the PRN focus sessions allow the entire ACCP membership to learn from experts in the field. As ACCP moves forward, the PRNs will continue to be a strength of the College in helping plot its direction.

Thank you all for your commitment to the success of the PRNs and ACCP. I look forward to the updated histories and other works of the PRNs that will be on display at the 40th anniversary meeting in New York City.

### 2019–2020 PRN OFFICERS

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.

**Adult Medicine:**

- **Chair:** Ryan Owens
- **Chair-Elect:** Carmen Smith
- **Secretary/Treasurer:** Jon P. Wietholter

**Ambulatory Care:**

- **Chair:** Gregory Castelli
- **Chair-Elect:** Ashley H. Meredith
- **Secretary:** Paul M. Stranges
- **Treasurer:** Ann Philbrick

**Cardiology:**

- **Chair:** James Coons
- **Chair-Elect:** Dave L. Dixon
- **Secretary/Treasurer:** Zach Noel

**Central Nervous System:**

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

**Clinical Administration:**

- **Chair:** Cynthia A. Brasher
- **Chair-Elect:** Jennifer Twilla
- **Secretary/Treasurer:** Patricia Masters

**Critical Care:**

- **Chair:** Jeffrey Fong
- **Chair-Elect:** Alexander H. Flannery
- **Secretary/Treasurer:** Leslie A. Hamilton

**Drug Information:**

- **Chair:** Rena Gosser
- **Chair-Elect:** Steven T. Johnson
- **Secretary/Treasurer:** Dan Majerczyk

**Education and Training:**

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

**Emergency Medicine:**

- **Chair:** Molly M. Howell
- **Chair-Elect:** Abby Bailey
- **Secretary/Treasurer:** Natalie Rine

**Endocrine and Metabolism:**

- **Chair:** Diana Isaacs
- **Chair-Elect:** Krystal Riccio
- **Secretary/Treasurer:** Anne Misher

**Geriatrics:**

- **Chair:** Kalin M. Clifford
- **Chair-Elect:** Julianna Fernandez

- **Secretary/Treasurer:** Stephanie M. Crist

**GI/Liver/Nutrition:**

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

**Global Health:**

- **Chair:** Susie J. Crowe
- **Chair-Elect:** Chelsea Pekny
- **Secretary/Treasurer:** David Hachey

**Health Outcomes:**

- **Chair:** Erin R. Weeda
- **Chair-Elect:** Shubha Bhat
- **Secretary/Treasurer:** Aubrey Jones

**Hematology/Oncology:**

- **Chair:** Justin R. Arnall
- **Chair-Elect:** Katie S. Gatwood
- **Secretary/Treasurer:** Donald C. Moore

**HIV:**

- **Chair:** Thomas Chiampas
- **Chair-Elect:** Sarah E. Pérez
- **Secretary/Treasurer:** Sarah Michienzi

**Immunology/Transplantation:**

- **Chair:** Lyndsey Bowman
- **Chair-Elect:** Alicia Lichvar
- **Secretary/Treasurer:** Jennifer Iuppa Melaragno
- **Trainee Officer:** Helen Sweiss

**Infectious Diseases:**

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

**Nephrology:**

- **Chair:** Calvin Meaney
- **Chair-Elect:** Susan Lewis

**Pain and Palliative Care:**

- **Chair:** Kathryn Anne Walker
- **Chair-Elect:** Tran H. Tran
- **Secretary/Treasurer:** Nadia Jubran

**Pediatrics:**

- **Chair:** Kirsten Ohler
- **Chair-Elect:** Deborah Bondi
- **Secretary/Treasurer:** Cassandra A. Ruggles

**Perioperative Care:**

- **Chair:** Eric G. Johnson

- **Chair-Elect:** Gourang Patel
- **Secretary:** Amanda Giancarelli
- **Treasurer:** Laura Ebbitt

### **Pharmaceutical Industry:**

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

### **Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics:**

- **Chair:** Roseann S. Gammal
- **Chair-Elect:** Jim Stevenson
- **Secretary/Treasurer:** Max Smith

### **Pulmonary:**

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

### **Women's Health:**

- **Chair:** Kylie N. Barnes
- **Chair-Elect:** Nicole E. Cieri-Hutcherson
- **Secretary/Treasurer:** Lauren D. Leader
- **Public Policy Liaison:** Jaini Patel

### **PRNs to Present Educational Focus Sessions at 2019 Annual Meeting**

ACCP PRNs consistently deliver high-quality educational activities each year. This tradition of excellence will continue during the 2019 ACCP Annual Meeting in New York City. The schedule and topics for all PRN focus sessions follow:

#### **Saturday, October 26:**

##### **Critical Care PRN Focus Session – Anticoagulation Controversies in the ICU**

- 1:45 p.m. – 3:15 p.m. (EDT)
- Location: 2nd Floor, Sutton Center/South

##### **Infectious Diseases PRN and Society of Infectious Diseases Pharmacists Focus Session – Power Gaps in Stewardship: Decision-making for Diagnostics and Transitions of Care**

- 1:45 p.m. – 3:15 p.m. (EDT)
- Location: 3rd Floor, Trianon Ballroom

##### **Nephrology PRN Focus Session – Comprehensive Medication Management Across the Continuum of Care in Patients with ESRD**

- 1:45 p.m. – 3:15 p.m. (EDT)
- Location: 3rd Floor, Rendezvous Trianon

##### **Emergency Medicine PRN Focus Session – Nothing Ventured, Nothing Gained: Established and Evolving Roles for Emergency Medicine Pharmacists**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 3rd Floor, Trianon Ballroom

##### **Endocrine and Metabolism PRN Focus Session – Into the Wild: Navigating the Jungles of Vascular Outcomes, Mountains of Adiposity, and Zebras of Diabetes**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 3rd Floor, Rendezvous Trianon

##### **Immunology/Transplantation PRN Focus Session – Path of Least Resistance: Narrowing and Minimizing Anti-infectives in Solid Organ Transplantation**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 2nd Floor, Sutton Center/South

#### **Sunday, October 27:**

##### **Health Outcomes PRN Focus Session – NIH Clinical and Translational Science Awards – Opportunities for Pharmacy Research**

- 2:15 p.m. – 3:45 p.m. (EDT)
- Location: 2nd Floor, Nassau

##### **Hematology/Oncology PRN and Pharmaceutical Industry PRN Focus Session – Biosimilars: An Extensive Review for the Clinical Pharmacist**

- 2:15 p.m. – 3:45 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

##### **Pain and Palliative Care PRN Focus Session – The State of the Science on Opioid Conversions**

- 2:15 p.m. – 3:45 p.m. (EDT)
- Location: 2nd Floor, Beekman/Sutton North

##### **Perioperative Care PRN Focus Session – Red Light ... Green Light ... Red Light: Anticoagulation Challenges in the Surgical Patient**

- 2:15 p.m. – 3:45 p.m. (EDT)
- Location: 3rd Floor, Rendezvous Trianon

##### **Ambulatory Care PRN Focus Session – Taking Your Patients' Health to Heart: A Case-Based Approach to Assess, Prevent, and Manage ASCVD**

- 4:00 p.m. – 5:30 p.m. (EDT)
- Location: 2nd Floor, Beekman/Sutton North

##### **Drug Information PRN Focus Session – Scholarship and Formulary Management Pearls for Your Practice and Research**

- 4:00 p.m. – 5:30 p.m. (EDT)

- Location: 3rd Floor, Rendezvous Trianon

**HIV PRN Focus Session – Antiretroviral Care in 2019: Do the Numbers Matter?**

- 4:00 p.m. – 5:30 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

**Pediatrics PRN Focus Session – Medical Use of Cannabinoid Products in the Pediatric Population**

- 4:30 p.m. – 6:00 p.m. (EDT)
- Location: 3rd Floor, Mercury Ballroom

**Monday, October 28:**

**Adult Medicine PRN Focus Session – Post-Op Debate: Anticoagulation vs. Aspirin for VTE Prophylaxis Following Orthopedic Surgery**

- 1:45 p.m. – 3:15 p.m. (EDT)
- Location: 3rd Floor, Trianon Ballroom

**Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN and Global Health PRN Focus Session – Precision Medicine in Diverse Populations: Global Considerations for Pharmacogenomics**

- 1:45 p.m. – 3:15 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

**GI/Liver/Nutrition PRN and Ambulatory Care PRN Focus Session – Challenges in Transitions of Care for Patients with Gastrointestinal, Liver, and Parenteral Nutrition-Dependent Diseases**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 3rd Floor, Trianon Ballroom

**Education and Training PRN Focus Session – Tips and Tricks for Creating Opportunities for Educational Research Within Your Practice**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 3rd Floor, Mercury Ballroom

**Clinical Administration PRN Focus Session – The Planning and Implementation Process for Expanding Clinical Pharmacy Services**

- 3:30 p.m. – 5:00 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

**Tuesday, October 29:**

**Global Health PRN and Infectious Diseases PRN Focus Session – Updates in Global Infectious Diseases**

- 1:15 p.m. – 2:45 p.m. (EDT)
- Location: 2nd Floor, Gramercy West

**Cardiology PRN Focus Session – What’s New and Exciting in Cardiovascular Pharmacotherapy?**

- 1:15 p.m. – 2:45 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

**Geriatrics PRN and GI/Liver/Nutrition PRN Focus Session – Nutritional and Hepatic Concerns in the Older Adult: What’s a Pharmacist to Do?**

- 1:15 p.m. – 2:45 p.m. (EDT)
- Location: 2nd Floor, Nassau

**Central Nervous System PRN and Ambulatory Care PRN Focus Session – Treatment Optimization of Psychiatric Disorders in Primary Care by Psychiatric and Ambulatory Care Pharmacists**

- 3:00 p.m. – 4:30 p.m. (EDT)
- Location: 2nd Floor, Murray Hill

**Pulmonary PRN Focus Session – Updates in Pulmonary Hypertension Management Across the Continuum of Care**

- 3:00 p.m. – 4:30 p.m. (EDT)
- Location: 2nd Floor, Nassau

**Women’s Health PRN Focus Session – Pharmacotherapeutic Updates in Women’s Health: Focus on Human Papillomavirus, Female Sexual Dysfunction, and Menopause**

- 3:00 p.m. – 4:30 p.m. (EDT)
- Location: 3rd Floor, Trianon Ballroom

**PRNs to Host Business Meetings and Networking Forums at 2019 Annual Meeting**

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. All meeting registrants are invited to attend these events. A complete listing of PRN business meeting and networking forums follows:

**Sunday, October 27: 6:30 p.m. – 8:30 p.m. (EDT)**

- Ambulatory Care PRN (3rd Floor, Mercury Ballroom)
- Central Nervous System PRN (2nd Floor, Murray Hill)
- Clinical Administration PRN (Concourse Level, Concourse A)
- Critical Care PRN (3rd Floor, Grand Ballroom East)
- Education and Training PRN (3rd Floor, Grand Ballroom West)
- Geriatrics PRN (3rd Floor, Trianon Ballroom)
- GI/Liver/Nutrition PRN (Concourse Level, Concourse E)
- Global Health PRN (Concourse Level, Concourse G)
- Health Outcomes PRN (2nd Floor, Gramercy East)

- Immunology/Transplantation PRN (Concourse Level, Concourse B)
- Pain and Palliative Care PRN (Concourse Level, Concourse C)
- Perioperative Care PRN (Concourse Level, Concourse F)
- Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN (2nd Floor, Sutton Center/ South)
- Women's Health PRN (Concourse Level, Concourse D)

#### Monday, October 28: 6:30 p.m. – 8:30 p.m. (EDT)

- Adult Medicine PRN (3rd Floor, Mercury Ballroom)
- Cardiology PRN (3rd Floor, Grand Ballroom East)
- Drug Information PRN (Concourse Level, Concourse B)
- Emergency Medicine PRN (3rd Floor, Trianon Ballroom)
- Endocrine and Metabolism PRN (Concourse Level, Concourse G)
- Hematology/Oncology PRN (2nd Floor, Sutton Center/South)
- HIV PRN (Concourse Level, Concourse C)
- Infectious Diseases PRN (3rd Floor, Grand Ballroom West)
- Nephrology PRN (Concourse Level, Concourse E)
- Pediatrics PRN (2nd Floor, Murray Hill)
- Pharmaceutical Industry PRN (Concourse Level, Concourse D)
- Pulmonary PRN (Concourse Level, Concourse F)

## PRN NEWS BRIEFS

### Adult Medicine PRN

#### Promotions

- **Leigh Anne Gravatt:** Vice Chair of Education and Associate Professor for the Department of Pharmacotherapy and Outcomes Sciences, Virginia Commonwealth University School of Pharmacy.
- **Erin Hennessey:** Associate Professor, St. Louis College of Pharmacy.
- **Angela Miller:** Team Lead Internal Medicine Pharmacy, University of Kansas Health System.
- **Kurt Wargo:** Interim Dean of the Wingate University School of Pharmacy.

#### Awards

- **Kathleen Adams:** Received the Brown University Department of Internal Medicine Teaching Award from the Brown University internal medicine residency program while at Rhode Island Hospital in Providence, Rhode Island.

- **Nicole Asal:** 2019 Rhode Island Pharmacists Association Presidential Leadership Award, University of Rhode Island College of Pharmacy.
- **Brandon Collins:** Preceptor Merit Award – STLCOP.
- **Katherine L. March:** Methodist Performing Excellence Award – Given biannually to select teams who have shown dedication to service, quality, innovation, teamwork, and integrity. Methodist University Hospital, Memphis, Tennessee.
- **Julie A. Murphy:** 2019 Outstanding Teacher of the Year, University of Toledo College of Pharmacy and Pharmaceutical Sciences; 2019 Donald S. Parks Advisor of the Year, University of Toledo.
- **Ifeanyi Onor:** Lawrence Ferring Faculty Award (Best Faculty) Xavier University of Louisiana (XULA) College of Pharmacy.
- **Mate M. Soric:** Class of 2019 Most Influential Professor, Northeast Ohio Medical University and Ohio Society of Health-System Pharmacists Pharmacy Practice Research Award.

#### Grants

- **Brandon Collins:** Schnucks Pharmacy, DSME Site Accreditation Grant.
- **Jennie Jarrett:** ACCP Am Care PRN Innovations Award 2019.

#### Publications

- **Anderson SL, Marrs JC.** Chronic obstructive pulmonary disease. In: Schwinghammer TL, Koehler JM, eds. Pharmacotherapy Casebook: A Patient-Focused Approach, 11th ed. New York: McGraw-Hill. In press.
- **Anderson SL, Marrs JC.** Can direct oral anticoagulants be used for stroke prevention among patients with valvular atrial fibrillation? *Curr Cardiol Rep* 2019. In press.
- **Anderson SL, Trujillo JM.** Type 2 diabetes. In: McDermott MT, ed. *Endocrine Secrets*, 7th ed. Philadelphia: Elsevier, 2019:31-42.
- Courtney L, **Anderson SL, Marrs JC.** Lipid lowering therapy for primary prevention in the HIV patient. *LipidSpin* 2019;17(2).
- **Arnold LM, Pande AN.** Pharmacologics: systemic and transcatheter therapies. In: Kim D, Patel N, Farber A, eds. *Vascular Imaging and Endovascular Intervention*. New Delhi: Jaypee Brothers, 2019:chap 10.
- Long MT, Ko D, **Arnold LM**, et al. Gastrointestinal and liver diseases and atrial fibrillation: a review of the literature. *Ther Adv Gastroenterol* 2019;12:1-19.
- Migliozi DR, **Asal NJ.** Clinical controversy in transplantation: tacrolimus versus cyclosporine in statin drug interactions. *Ann Pharmacother* 2019 Aug 23. [Epub ahead of print]

- **Boylan PM**, Santibanez M. Upper gastrointestinal bleeding in a male patient taking megestrol acetate and rivaroxaban: a case report. *Sr Care Pharm* 2019;34:501-9.
- **Boylan PM**, Sedlacek J, Santibanez M, et al. Development and implementation of interprofessional relations between a college of pharmacy and osteopathic residency programs in a community teaching hospital. *J Pharm Technol* 2019 Jul 22. [Epub ahead of print]
- **Ebied A**, Antigua A. Evaluation of the concurrent use of lidocaine and ketamine infusions as adjunctive analgesia in the intensive care unit. *J Res Pharm* 2019;23:617-20.
- **Ebied AM**, Li T, Axelrod S, et al. Intravenous unfractionated heparin dosing in obese patients using anti-Xa levels. *J Thromb Thrombolysis* 2019 Sep 5. [Epub ahead of print]
- **Ebied AM**, Na J, Cooper-DeHoff RM. New drug approvals in 2018 – another record year! *Am J Med* 2019 Mar 7. [Epub ahead of print]
- Fernandez EV, Reid JC, Woodward LM, Holdford DA, **Gravatt LAH**, et al. Implementation of an interviewing skills workshop for pharmacy students. *Curr Pharm Teach Learn* 2019;11:277-86.
- **Jarrett JB**, Antoun J, Hasnain M. Entrustable professional activity utilization: a CERA study of family medicine residency program directors. *Fam Med* 2019;51:471-6.
- Pham JT, Azzopardi LM, Lau AH, **Jarrett JB**. Student perspectives on a collaborative international doctorate of pharmacy program. *Pharmacy (Basel)* 2019;7(3).
- Roberson KY, Van Gompel EW, **Jarrett JB**. Bariatric surgery + medical therapy: effective Tx for T2DM? *J Fam Pract* 2019;68:102-4.
- Brown CB, **Manis MM**, Bohm NM, et al. Oral vancomycin for secondary prophylaxis of *Clostridium difficile* infections. *Ann Pharmacother* 2019;53:396-401.
- Seymore RJ, **Manis MM**, Coyne PJ. Dexmedetomidine use in a case of severe cancer pain. *J Pain Palliat Care Pharmacother* 2019:1-8.
- **March KL**, **Twilla JD**, Reaves AB, et al. Lorazepam versus chlorthalidone for the treatment of alcohol withdrawal syndrome and prevention of delirium tremens in general medicine ward patients. *Alcohol* 2019 Jun 6. [Epub ahead of print]
- **Marrs JC**, **Anderson SL**. Heart failure with preserved ejection fraction (HFpEF). In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 11th ed. New York: McGraw-Hill. In press.
- **Moore DC**, Gebru T, Muslimani A. Fostamatinib for the treatment of immune thrombocytopenia. *Am J Health Syst Pharm* 2019;76:789-94.
- **Moore DC**, Gebru T, Pellegrino A, et al. Neutropenia-associated outcomes in breast cancer patients receiving myelosuppressive chemotherapy with reduced doses of pegfilgrastim. *J Pharm Pract* 2019 Mar 27. [Epub ahead of print]
- Arnall JR, **Moore DC**, Hill HL, et al. Enhancing the feasibility of outpatient daratumumab administration via a split-dosing strategy with initial doses. *Leuk Lymphoma* 2019 Mar 8. [Epub ahead of print]
- Patel J, Rainess RA, Benfield MJ, Roger KM, **Moore DC**, et al. Retrospective analysis of clinical outcomes associated with the use of pegfilgrastim on-body injector in patients receiving chemotherapy requiring granulocyte colony-stimulating factor support. *Hosp Pharm* 2019 Aug 2. [Epub ahead of print]
- **Murphy JA**, Heisser JM, Montgomery M. Evidence-based review of smart phone versus paper asthma action plans on asthma control. *J Pharm Technol* 2019;35:126-34.
- **Patel KS**, Carbone A. Sodium-glucose cotransporters as potential therapeutic targets in patients with type 1 diabetes mellitus: an update on phase 3 clinical trial data. *Ann Pharmacotherapy* 2019 Jun 21. [Epub ahead of print]
- Yang T, **Ruegger M**, Colavecchia AC, Sadhu A, Patham B, **Tatara A**. Comparison of levothyroxine dosing in patients with and without heart failure. *Endocr Res* 2019:1-8.
- **Soric MM**, Paxos C, Dugan SE, et al. Prevalence and predictors of benzodiazepine monotherapy in patients with depression: a national cross-sectional study. *J Clin Psychiatry* 2019;80(4).
- **Soric MM**, Robinson JD, Ulbrich TR. A need for a holistic residency application review process. *J Am Coll Clin Pharm* 2019;2:321.
- Frost DA, **Soric MM**, Kaiser R, et al. Efficacy of tramadol for pain management in patients receiving strong cytochrome P450 2D6 inhibitors. *Pharmacotherapy* 2019;39:724-9.
- Snyder BM, **Soric MM**. National trends in statin medication prescribing in patients with a history of stroke or transient ischemic attack. *J Pharm Pract* 2019 Jul 21. [Epub ahead of print]

#### New ACCP Fellows

- Jennie B. Jarrett
- Mate M. Soric
- Jennifer Twilla

## Other Notable Achievements

- **Sarah L. Anderson:** Finalist; Next-Generation Pharmacist Health-System Pharmacist Award (award winner will be announced in late October 2019).
- **Nicole Asal:** Completed year as President of the Rhode Island Pharmacists Association (2018–2019).
- **Alex Ebied:** ID Stewardship Interview – Insights into Non-traditional Doctor of Pharmacy Programs.

## Ambulatory Care PRN

### Promotions

- **Laura Challen:** Associate Professor, St. Louis College of Pharmacy.
- **Gabriella Douglass:** Associate Professor, Harding University College of Pharmacy.
- **Roshni Emmons:** Associate Professor of Pharmacy Practice, Jefferson College of Pharmacy.
- **Justinne Guyton:** Associate Professor, St. Louis College of Pharmacy.
- **Adriane Irwin:** Associate Professor (Clinical), Oregon State University/Oregon Health & Science University College of Pharmacy.
- **Diana N. Nowicki:** Anticoagulation Ambulatory Clinical Pharmacist and now member of AAHIVM Great Lakes Steering Committee.
- **Rochelle Rubin:** Assistant Director, Ambulatory Pharmacy Services, Lahey Hospital & Medical Center.
- **Laura Traynor:** Professor, Concordia University School of Pharmacy.
- **Ryan Wargo:** Ambulatory Clinic Pharmacist Manager, Legacy Health.
- **Sarah Westberg:** Professor, University of Minnesota College of Pharmacy.

### Awards

- **Mary Amato:** MCPHS University – Faculty Scholarship Award for Scholarship of Discovery – May 2019.
- **Diana Isaacs:** American Association of Diabetes Educators (AADE) Diabetes Educator of the Year.
- **Shannon Miller:** Faculty Recognition Award, University of Florida College of Pharmacy, 2019; Outstanding Teaching Team University of Florida College of Pharmacy, 2019.
- **Mary Beth O'Connell:** Phi Lambda Sigma Leadership Society Gamma Chi Chapter Honorary Member; Runner-up Chapter of the Year, Lambda Kappa Sigma Professional Fraternity; Adviser.
- **Mate M. Soric:** Class of 2019 Most Influential Professor; Class of 2019 Commencement Hooder; Ohio Society of Health-System Pharmacists

Pharmacy Practice Research Award.

- **Lisa M. Woolard:** Georgia Society of Health-System Pharmacists Outstanding Pharmacy Practitioner Award.
- **Cheng Yuet:** Texas Society of Health-System Pharmacists (TSHP) Innovative Clinical Practice Award 2019; University of North Texas System College of Pharmacy APPE Faculty Preceptor of the Year 2018–2019.

### Grants

- **Kelly Cochran:** HRSA Medical Student Education Program: An Innovative Model to Increase Primary Care Physicians for Rural and Underserved Missouri.
- **Lucas Hill:** Texas Targeted Opioid Response via Substance Abuse and Mental Health Services Administration.
- **Eric Ip:** Touro University California Intramural Research Award Program (IRAP) Grant (July 2019).
- **Jennie Jarrett:** ACCP Ambulatory Care PRN Innovations Award 2019.
- **Linid Lewis:** 2019 HealthTrust Innovation Grant.
- **Michelle T. Martin, Rodrigo M. Burgos, Renata O. Smith, Sarah M. Michienzi** (principal investigator). Cohort Study of Hepatitis C Virus Treatment with Zepatier (elbasvir/grazoprevir) in Genotype 1 or 4 HCV Treatment-Naive or Peginterferon/ribavirin-Experienced Patients with Substance Use in Urban, Multidisciplinary Specialty Clinics. Investigator-sponsored research. Funded by: Merck.
- **Cheng Yuet:** University of North Texas System College of Pharmacy New Stage Investigators Research Program Seed Grant (July 2019).

### Publications

- Salazar A, Karmiy S, Forsythe K, **Amato M**, et al. How often do prescribers include indications in drug orders? Analysis of 4 million outpatient prescriptions. *Am J Health Syst Pharm* 2019;76:970-9.
- Garabedian PM, Wright A, Newbury I, Volk L, Salazar A, **Amato MG**, et al. Comparison of a prototype for indications-based prescribing with 2 commercial prescribing systems. *JAMA Network Open* 2019;2:e191514.
- Wright A, McEvoy DS, Aaron S, McCoy AB, **Amato MG**, et al. Structured override reasons for drug-drug interaction alerts in electronic health records. *J Am Med Inform Assoc* 2019;26:934-42.
- **Anderson SL**, Marrs JC. Can direct oral anticoagulants be used for stroke prevention among patients with valvular atrial fibrillation? *Curr Cardiol Rep*. In press.
- **Anderson SL**, Marrs JC. Chronic obstructive pulmonary disease. In: Schwinghammer TL,

- Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 11th ed. New York: McGraw-Hill. In press.
- **Anderson SL**, Trujillo JM. Type 2 diabetes. In: McDermott MT, ed. *Endocrine Secrets*, 7th ed. Philadelphia: Elsevier, 2019:31-42.
  - Courtney L, **Anderson SL**, Marrs JC. Lipid lowering therapy for primary prevention in the HIV patient. *LipidSpin* 2019;17(2).
  - Marrs JC, **Anderson SL**. Heart failure with preserved ejection fraction (HFpEF). In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 11th ed. New York: McGraw-Hill. In press.
  - **Farhat NM**, Farris KB, Patel MR, et al. Comprehensive medication reviews: optimal delivery setting and recommendations for quality assessment. *J Am Pharm Assoc* (2003) 2019;59:642-5.
  - **Farhat NM**, Vordenberg SE, Marshall VD, et al. Evolution of interdisciplinary geriatric transitions of care on readmission rates. *Am J Manag Care* 2019;25:e219-e223.
  - **Gunning K**, Kiraly B, Pippitt K. Lice and scabies: treatment update. *Am Fam Physician* 2019;99:635-42.
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  - Tak CR, Kessler LT, Scott MA, **Gunning KM**. Pharmacist-prescribed hormonal contraception: a review of the current landscape. *J Am Pharm Assoc* (2003) 2019;59:633-41.
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### New Fellows

- Jennie Jarrett
- Christie Schumacher
- Mate M. Soric

### Other Notable Achievements

- **Sarah L. Anderson**: Finalist; Next-Generation Pharmacist Health-System Pharmacist award (winner to be announced October 2019).
- **Karen Gunning**: Chair-Elect of the Board of Directors of the Board of Pharmacy Specialties (BPS); Named to the Utah Board of Pharmacy.
- **Nathan A. Painter**: Clinical Professor of Pharmacy, University of California San Diego, Skaggs School of Pharmacy and Pharmaceutical Sciences.
- **Marissa C. Salvo**: Fellow of the Connecticut Pharmacists Association (induction September 2019).

## Cardiology PRN

### Promotions

- **Rob J. DiDomenico Jr**: Named Interim Assistant Head of Pharmacy Practice, University of Illinois at Chicago, College of Pharmacy.
- **Caitlin M. Gibson**: Associate Professor and Vice Chair, Department of Pharmacotherapy, University of North Texas System College of Pharmacy.
- **Ian B. Hollis**: Associate Professor of Clinical Education, Division of Practice Advancement and Clinical Education (PACE), University of North Carolina Eshelman School of Pharmacy (May 2019).
- **Carleton Maxwell**: Named Clinical Pharmacy Manager at Atrium Health.
- **Emily Young**: Residency Program Director for the PGY2 Cardiology Pharmacy Residency at VA Tennessee Valley Healthcare System (Nashville, Tennessee).

### Awards

- **Sally Arif**: 2019 Teacher of the Year, Midwestern University, Chicago College of Pharmacy.
- **Jenna Cox**: South Carolina Society of Health-System Pharmacists, Pharmacist of the Year (March 2019).
- **Lindsay E. Davis**: Teacher of the Year, Midwestern University College of Pharmacy – Glendale Class of 2019.
- **Catherine Derington**: Fellow participant at the American Heart Association Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease.
- **Caitlin M. Gibson**: University of North Texas Health Science Center 2019 Faculty Achievement Award.
- **Carleton Maxwell**: 2018–2019 Residency Preceptor of the Year – Carolinas Medical Center.
- **Emily Young**: Named Preceptor of the Year for 2018–2019 VA Tennessee Valley Healthcare System's PGY1 Pharmacy Residency Program (Nashville, Tennessee).

### Grants

- **Jim Coons**: Precision Medicine Pilot Award Program, University of Pittsburgh Institute for Precision Medicine, "Whole Genome Sequencing to Explore Variability in Trepstinil Response in Patients with Pulmonary Arterial Hypertension." Role: principal investigator; 2019–2020.
- **Catherine Derington**: American Heart Association Post-Doctoral Fellowship Grant.
- **Genevieve Hale**: Hale G (principal investigator), Lymperopoulos A, Joseph T, Simpson A, Zorrilla R, Kankam E, Choudhry A, Wertz S, Pollard C. Arg389Gly Polymorphism in Beta-1 Adrenoceptors

for Heart Failure Patients Within the Primary Care Setting. April 2019. NSU President's Faculty Research and Development Grant. \$13,740.00.

- **James Tisdale:** AHRQ R18 – Dissemination and Implementation of QT Risk Clinical Decision Support (co-investigator).
- **Toby Trujillo:** Aspirin Dosing Estimator in Healthy Adult. Funded by: Skaggs Scholars Program (co-primary investigator), total grant \$150,000. Funding period: 2019–2021.  
The Evaluation of a Kcentra Fixed-Dose Protocol: Retrospective Pre-vs Post-Institutional Experience. Funded by: CSL Pharmaceuticals (co-investigator), total grant \$32,449.00. Funding period: January 2019 – January 2020.

## Publications

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- **Atallah B**, **Sadik ZG**, Hisham M, et al. A per-protocol initiation of sacubitril/valsartan in an advanced heart failure disease management programme in the Middle East Gulf region. *ESC Heart Fail* 2019;6:758-63.
- **Baker WL**, Steiger S, Radojevic J, et al. Association between time-in-therapeutic tacrolimus range and early rejection after heart transplant. *Pharmacotherapy* 2019;39:609-13.
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- **Beavers JC**, Mithawala P. Ironing it out: management of iron deficiency in heart failure. *Cardiol Today*. November 2018.
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  - **Derington CG**, Gums TH, Bress AP, et al. Association of total medication burden with intensive and standard blood pressure control and clinical outcomes: a secondary analysis of the Systolic Blood Pressure Intervention Trial (SPRINT). *Hypertension* 2019;74:267-75.
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  - **Kido K**, Shimizu M, Hashiguchi M. Comparing torsemide versus furosemide in patients with heart failure: a meta-analysis. *J Am Pharm Assoc (2003)*. 2019;59:432-8.
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  - **Milfred-LaForest**, **Sharon K**. Transitions of care in heart failure. In: Page RL, ed. *ACCP Self-Assessment Program, Cardiology Specialty Board Certification – Heart Failure Module Book 1*. American College of Clinical Pharmacy.
  - **Ng T**, **DiDomenico RJ**, **Ripley TL**, **Benge CD**, **Buckley L**, **Campbell KB**, **Hale G**, **Macaulay TE**, **Nappi J**, **Pickworth K**, **Short M**. An opinion paper of the American College of Clinical Pharmacy Cardiology Practice and Research Network outlining recommendations for training of cardiovascular pharmacy specialists in post-graduate year 2 residency programs. *J Am Coll Clin Pharm* 2019;1-14.
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  - Rollins A, Hanigan S, **Pogue K**, et al. Identifying clinical predictors of switching from direct oral anticoagulants to warfarin. *Clin Med Insights* 2019;11:1-6.

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- **Reed BN, DiDomenico RJ, Allender JE, Coons JC, Cox JF, Johnson D, Oliphant CS, Jennings DL.** Survey of anticoagulation practices with the Impella percutaneous ventricular assist device at high-volume centers. *J Interv Cardiol* 2019:Article 3791307.
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- **Spencer D.** Ultrasound-assisted, catheter-directed therapy for pulmonary embolism: breaking down the evidence. *Cardiol Today*. March 2019.
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- **Tisdale JE, Jaynes HA, Watson MR, et al.** Amiodarone for prevention of atrial fibrillation following esophagectomy. *J Thorac Cardiovasc Surg* 2019;158:301-10.
- Kovacs RJ, Birtcher KK, **Tisdale JE.** Pharmacists and cardiologists in the ACC. *J Am Coll Cardiol* 2019;74:470-2.
- Zarowitz BJ, **Tisdale JE.** Navigating the minefield of QTc interval-prolonging therapy in nursing facility residents. *J Am Geriatr Soc* 2019;67:1508-15.
- **Trujillo TC, Dobesh PP, Crossley G, Finks SW.** Contemporary management of direct oral anticoagulants during cardioversion and ablation for non-valvular atrial fibrillation. *Pharmacotherapy* 2019;39:94-108.
- **Valente M, Faulkenberg K.** Out of the loop: augmenting diuresis with SGLT2 inhibitors in heart failure. *Cardiol Today*. July 2019.
- **Van Tuyl JS, Newsome AS, Hollis IB.** Perioperative bridging with glycoprotein IIb/IIIa inhibitors versus cangrelor: balancing efficacy and safety. *Ann Pharmacother* 2019;53:726-37.
- **Walker EA, Roberts AJ, Louie EL, Dager WE.** Bivalirudin dosing requirements in adult patients on extracorporeal life support with or without continuous renal replacement therapy. *ASAIO J* 2019;65:134-8.
- Herink MC, Zhuo YF, **Williams CD**, et al. Clinical management of pharmacokinetic drug interactions with direct oral anticoagulants (DOACs). *Drugs*. August 22, 2019.
- **Xiong L, Chinaeke E, Lu K, et al.** Evaluation of severe myalgia induced by continuous-infusion bumetanide in patients with acute heart failure. *Pharmacotherapy* 2019;39:854-60.

### New ACCP Fellows

- Christie Schumacher

### Other Notable Achievements

- **William E. Dager:** Reelected as Regent – American College of Critical Care Medicine; 2019 SCCM Congress Co-Chair.

- **William R. Dager:** Second-generation ACCP Cardiology PRN Student Member (**William E. Dager** – father).
- **Catherine Derington:** Board Certified Ambulatory Care Pharmacist (BCACP).
- **Ian B. Hollis:** Vice Chair of the BPS Specialty Council on Cardiology Pharmacy for 2020.
- **Carleton Maxwell:** Fellow of the National Pharmaceutical Association (FNPhA).
- **Karen J. McConnell:** Fellow of the American Society of Health-System Pharmacists (FASHP); Official content peer reviewer for the 2018 ACC/AHA Cholesterol Clinical Practice Guidelines.
- **Kerry Pickworth:** Appointed to the ASHP Commission on Credentialing for Residency accreditation for a 3-year team.
- **Kristen T. Pogue:** Selected to the BPS Cardiology Specialty Council.

### Board Certified Cardiology Pharmacists

The PRN would like to congratulate all who achieved board certification in cardiology during the recent testing period. Thirty-five new members are now BCCPs.

- Sarah K. Adie
- Mohamed Amar
- Ayesha Ather
- Maryam Bayat
- Janna Beavers
- Michael Brenner
- Hope Broxterman
- John J. Cannedy
- Catherine Chun
- John Dechand
- Stephanie M. Dwyer
- Wendy M. Gabriel
- Alexandra Goncharenko
- Laura Halder
- Genevieve M. Hale
- Joshua A. Jacobs
- Oksana Kamneva
- Ashley K. Kasper
- Hasan O. Kazmi
- Amy L. Lehnert
- Hua Ling
- Adrienne Lunde
- Kathleen Makkar
- Rebecca Moore
- Kelsey E. Norman
- Tomasz D. Oszczypala
- Frank S. Rigelsky
- Christina E. Ruggia-Check
- Elisabeth Sulaica
- Huyentran N. Tran
- Dong P. Tu

- Elizabeth A. Walker
- Margaret M. Wovkulich
- Yan Xu
- Nicole G. Zimbardi

## Central Nervous System PRN

### Promotions

- **Jeannine Conway:** Associate Dean of Professional Education at the University of Minnesota College of Pharmacy.

### Awards

- **Jennifer Bean:** Pharmacist of the Year Award from Tennessee Society of Health-System Pharmacists (TSHP).
- **Joshua Caballero:** Distinguished Alumnus Award from Phi Delta Chi.
- **Benjamin Chavez:** 2019 Remarkable Provider award from Salud Family Health Centers in Colorado.
- **Gary Levin:** 2019 Judith J. Saklad award from the College of Psychiatric and Neurologic Pharmacists (CPNP).

### Grants

- **Stephanie Nichols:** Preventing Harm and Reducing Maine Overdose Deaths (PHARMOD). Stephanie Nichols and colleagues from the University of New England College of Pharmacy were awarded \$21,000 by the State of Maine to educate Maine pharmacists about opioid overdose, take-home naloxone, and stigma and to improve the proportion of Maine pharmacists who are eligible to prescribe naloxone.

### Publications

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- Karst A, Hayes B, Burka A, **Bean J,** et al. Effect of the Centers for Disease Control and Prevention opioid prescribing guidelines on postsurgical prescribing among veterans. *J Am Coll Clin Pharm* 2019;2:155-60.
- Jacobs RJ, **Caballero J,** Parmar J, et al. The role of self-efficacy, flexibility, and gender in pharmacy students' health information technology readiness. *Curr Pharm Teach Learn* 2019 Aug 12. [Epub ahead of print]
- **Chavez B,** Kosirog E. Impact on an integrated psychiatric pharmacy service in a primary care

clinic. *Ment Health Clin* 2019;9:269-74.

- **Lopez A**, Rey J. Substituted phenethylamine associated mortality: results of a retrospective review of regional medical examiner cases from 2014-2017 [abstract]. *Res Adv Psychiatry* 2019;6:1-71.
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- Bahr R, **Lopez A**, Rey JA. Intranasal esketamine (Spravato™) for use in treatment-resistant depression in conjunction with an oral antidepressant. *P T* 2019;44:340-75.
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- **Peckham AM**, Sclar DA. Quantifying gabapentin misuse with opioids. *Prim Care Companion CNS Disord* 2019;21.
- **Peckham AM**, Sclar DA. Combined gabapentinoid and opioid use. *Ann Intern Med* 2019;170:908-9.
- Evoy KE, Covvey JR, **Peckham AM**, et al. Reports of gabapentin and pregabalin abuse, misuse, dependence, or overdose: an analysis of the Food and Drug Administration Adverse Events Reporting System (FAERS). *Res Social Adm Pharm* 2019;15:953-8.

### Other Notable Achievements

- **Benjamin Chavez**: Appointed to the Board of Pharmacy Specialties (BPS) Ambulatory Care Specialty Council.
- **Padideh Ghaeli**: Delivered a lecture on “Newer Antidepressants” at Roozbeh Hospital affiliated with Tehran University of Medical Sciences (TUMS); Moderated 2 CPCs for TUMS pharmacotherapy residents as a guest clinical pharmacist.
- **Janice Hoffman**: Delivered a lecture on Leadership Model for Healthcare Teams, University of Vienna Social Change and Aging Conference, September 2019.
- **Stephanie Nichols**: Appointed to the Maine Opioid

Response Clinical Advisory Committee, convened by Governor Janet Mills, July 2019.

- **Alyssa M. Peckham**: Appointed to the Center for Health Policy & Healthcare Research at Northeastern University in Boston, Massachusetts, as a Faculty Associate; Delivered an ACPE accredited talk titled “Detecting and Managing Opioid Use Disorder in the Setting of Chronic Pain in the Elderly,” Society of Pain and Palliative Care Pharmacists, April 2019; Delivered an ACPE-accredited talk titled “The Pharmacists Role in Increasing Treatment Access for Patients with Opioid Use Disorder,” Massachusetts Society of Health-System Pharmacists, May 2019; Delivered an ACPE-accredited talk titled “Pharmacists as Harm Reductionists,” 2019 Massachusetts Pharmacists Association Summer Event, June 2019; Was featured for ACCP Member Spotlight, *ACCP Report*, June 2019; Was interviewed by News@Northeastern for “It’s a Chronic Illness Rather than a Moral Failure”; Delivered an ACPE-accredited talk titled “Clearing the Smoke on Cannabis Use Disorder: Prevalence, Neurobiology, and Treatment,” 15th Annual New England Pharmacists Convention, September 2019.

### Clinical Administration PRN

- **Eliza A. Dy-Boarman**: Associate Professor, Department of Clinical Sciences, Drake University College of Pharmacy and Health Sciences, and Clinical Pharmacist, Iowa Lutheran Hospital. Received the American Association of Colleges of Pharmacy Emerging Teaching Scholar Award in July 2019.
- **Christopher Finch**: Professor and Chair for the Department of Clinical Pharmacy and Translational Science at the University of Tennessee, College of Pharmacy. Selected as the Tom C. Sharp Pharmacist of the Year by the Tennessee Pharmacists Association.
- **Darrel W. Hughes**: Clinical Pharmacy Manager and Adjunct Associate Professor in the Department of Pharmacotherapy and Pharmacy Sciences in the University of Texas Health Science Center. Recognized as a Fellow of the American College of Clinical Pharmacy.
- **Jeff D. Huntress**: Director of Clinical Pharmacy Services, Director of PGY1 Pharmacy Practice Residency, and Critical Care Clinical Specialist at Highland Hospital of the University of Rochester Medical Center. Appointed to the American Society of Health-System Pharmacists Commission on Credentialing.

## Critical Care PRN

### Promotions

- **Brittany Bissell:** Assistant Professor, College of Medicine, University of Kentucky Medical Center.
- **Chris Finch:** Professor and Chair of the Department of Clinical Pharmacy and Translational Science, University of Tennessee, College of Pharmacy.
- **Alex Flannery:** Associate Adjunct Professor, University of Kentucky.
- **Christine Groth:** Level IV Clinical Pharmacy Coordinator, Adult Critical Care and Emergency Medicine, University of Rochester Medical Center.
- **Jahidul Hasan:** Coordinator, Clinical Pharmacy Services, Square Hospitals, Ltd.
- **Zachary Smith:** Clinical Pharmacy Specialist, Pulmonary Hypertension, Medical Critical Care, Henry Ford Hospital.

### Awards

- **Scott Bolesta:** Presidential Citation Award, Society of Critical Care Medicine.
- **Jenna Cox:** 2019 Pharmacist of the Year, South Carolina Society of Health-System Pharmacists.
- **Chris Droege:** Presidential Citation, Society of Critical Care Medicine.
- **Chris Finch:** Tom C. Sharp Pharmacist of the Year, Tennessee Pharmacists Association.
- **Alex Flannery:** Star Research Achievement Award, Society of Critical Care Medicine.
- **Christine Groth:** 2019 Adult Critical Care Excellence in Leadership Award, University of Rochester Medical Center; 2019 Institute for Innovative Education Team-Based Award, Post-Intensive Care Unit Team, University of Rochester Medical Center; 2019 URMC Board Excellence Award-Clinical Support, University of Rochester Medical Center.
- **Jahidul Hasan:** Alumni Award 2019, Stamford Pharmacy Alumni Association.
- **Anthony Hawkins:** Teacher of the Year, University of Georgia College of Pharmacy; Critical Care Faculty of the Year, Medical College of Georgia SWGA.
- **Judi Jacobi:** 2019 Pharmacy Women's Leadership Award, Pharmacy Women for Purdue.
- **Desiree Kosmisky:** Presidential Citation, Carolinas/Virginias Chapter of Society of Critical Care Medicine.
- **Martin Ohlinger:** Distinguished University Lecturer, University of Toledo, April 2019.
- **Nick Peters:** 2019 Johns Hopkins Clinical Excellence Award – "Innovations in Clinical Care."

### Grants

- **Brittany Bissell:** Igniting Research Collaborations Grant, University of Kentucky, \$25,000.

- **Scott Bolesta:** Bolesta S. Continued Faculty and Peer-to-Peer Mentored Research in Cardiovascular Science. Submitted March 2019; Wilkes University. Amount requested: \$7080 in direct costs. Submitted. Funding period: June 1, 2019 – August 31, 2019. Receiving agency/agent: Wilkes University. Funded for \$6550.
- **Susan Smith:** AACP SOTL Grant.

### Publications

- Wright C, Elbadawi A, Chen YL, Mazzillo J, Delehanty J, Patel D, **Acquisto NM, Groth C**, et al. The impact of a pulmonary embolism response team on the efficiency of patient care in the emergency department. *J Thromb Thrombolysis* 2019;48:331-5.
- Woodward CW, Lambert J, Ortiz-Soriano V, Li Y, Ruiz-Conejo M, **Bissell B**, et al. Fluid overload associates with major adverse kidney events in critically ill patients with acute kidney injury requiring continuous renal replacement therapy. *Crit Care Med* 2019 Jun 3. [Epub ahead of print]
- **Bissell BD, Magee C, Moran P, Bastin MLT, Flannery AH.** Hemodynamic instability secondary to vasopressin withdrawal in septic shock. *J Intensive Care Med* 2019;34:761-5.
- **Bolesta S.** Specialized topics in cardiovascular disease. In: Baker WL, Beavers C, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2019 ed. Lenexa, KS: American College of Clinical Pharmacy, 2019.
- **Boyd AN, Hartman BC, Sood R**, et al. A voltage-based analysis of fluid delivery and outcomes in burn patients with electrical injuries over a 6-year period. *Burns* 2019;45:869-75.
- Anderson GL, Mattson AE, **Brown CS**, et al. Safety of parental ketorolac use for analgesia in geriatric emergency department patients. *Am J Emerg Med* 2019. In press.
- Lim J, **Cox JF**, Nguyen T, et al. Cisatracurium dosing in a patient with hyperthermia. *Am J Health Syst Pharm* 2019;76:1029-32.
- **Cucci M, Wooten C, Mallat A**, et al. Incidence and risk factors associated with multi-drug-resistant pathogens in a critically ill trauma population: a retrospective cohort study. *Surg Infect (Larchmt)* 2019 Jun 17. [Epub ahead of print]
- Rodriguez R, **Cucci M, Kane S**, et al. Novel vasopressors in the treatment of vasodilatory shock: a systematic review of angiotensin II, selegressin, and terlipressin. *J Intensive Care Med* 2018 Dec 18. [Epub ahead of print]
- **Dasta J, Kane-Gill S.** Review of the literature on the costs associated with acute kidney injury. *J Pharm Pract* 2019;32:292-302.

- Foertsch M, Winter J, Rhoades A, Martin L, **Droege CA**, et al. Recognition, assessment, and pharmacotherapeutic treatment of alcohol withdrawal syndrome in the intensive care unit. *Crit Care Nurs Q* 2019;42:12-29.
- Garber PM, **Droege CA**, Carter KE, et al. Continuous infusion ketamine for adjunctive analgesedation in mechanically ventilated, critically ill patients. *Pharmacotherapy* 2019;39:288-96.
- Martin LT, Vincent S, Gillian S, Moore K, Ratermann D, **Droege CA**. Pharmacologic approach to management of *Clostridium difficile* infection. *Crit Care Nurs Q* 2019;42:2-11.
- Trobaugh KA, **Flannery AH, Thompson Bastin ML**. Special populations: transplant and critical care. In: Nemecek B, Hammond D, eds. *Demystifying Drug Dosing in Renal Dysfunction*. American Society of Health-System Pharmacists, 2019.
- **Groth CM**. Inhaled antibiotics for respiratory infection. In: Ryu HG, Connor MJ, eds. *Current Concepts in Adult Critical Care*, 2019. Mount Prospect, IL: Society of Critical Care Medicine, 2019:101-14.
- **Hammond DA**, Flowers HCJ, Meena NK, Painter JT, **Rech MA**. Cost avoidance associated with clinical pharmacist presence in a medical intensive care unit. *J Am Coll Clin Pharm* 2019;1-6.
- **Hammond DA**, Gurnani PK, **Flannery AF, Smetana K**, Westrick J, **Lat I, Rech MA**. Scoping review of interventions associated with cost avoidance able to be performed in the intensive care unit and emergency department. *Pharmacotherapy* 2019;39:215-31.
- **Hammond DA, Lam SW, Rech MA, Smith MN**, et al. Balanced crystalloids versus saline in critically ill adults: a systematic review and meta-analysis. *Ann Pharmacother* 2019 Jul 31. [Epub ahead of print]
- **Hammond DA**, McCreary EK, **Rech MA, Smith MN**, Yeo QM, **Lusardi K**, Rhodes NJ, **Swanson J, Bland CM**. Perceptions and practices for beta-lactam antibiotic dosing, administration, and monitoring in critically ill patients: current views and use among critical care and infectious diseases pharmacists. *J Am Coll Clin Pharm* 2019;1-9.
- **Hammond DA, Rech MA**. How-to guide for effectively performing and coordinating multicenter observational research as a clinical pharmacist. *J Am Coll Clin Pharm* 2019 Jul 30. [Epub ahead of print]
- **Hammond DA, Rech MA, Daley M**, Devin J, Hodge E, **Kooda K, Lat I**, Personett H, **Roberts R, Sacha G, Stollings J, Bauer S**. Perceptions regarding vasopressin use and practices in septic shock and cost containment strategies. *J Am Coll Clin Pharm* 2019;2:257-67.
- **Hammond DA, Rech MA, Swanson JM**. The effect of grit on postgraduate year-one pharmacy residents' pursuit of additional training. *Curr Pharm Teach Learn*. Accepted.
- **Hammond DA, Sacha G, Bissell B**, Musallam N, Altshuler D, **Flannery A, Lam S, Bauer S**. Effects of norepinephrine and vasopressin discontinuation order in the recovery phase of septic shock: a systematic review and individual patient data meta-analysis. *Pharmacotherapy* 2019;39:544-52.
- **Hammond DA, Smith ME**, Peksa GD, et al. Midodrine as an adjuvant to intravenous vasopressor agents in adults with resolving septic shock: systematic review and meta-analysis. *J Intensive Care Med* 2019 Apr 28. [Epub ahead of print]
- **Hammond DA**, Trivedi A, Esmero VM, Hamadeh L, Heikkinen B, Tan C, Hanson A, **Rech MA**. Pharmacists' perceptions and practice changes resulting from emergence of the vancomycin-piperacillin/tazobactam nephrotoxicity phenomenon. *J Am Coll Clin Pharm* 2019 Jul 25. [Epub ahead of print]
- Tully AP, **Hammond DA**, Li C, **Jarrell AS, Kruer RM**. Evaluation of medication errors at the transition of care from an ICU to non-ICU location. *Crit Care Med* 2019;47:543-9.
- **Hasan MJ**, Nizhu LN, Rabbani R. Bloodstream infection with pandrug-resistant *Alcaligenes faecalis* treated with double-dose of tigecycline. *IDCases* 2019;18:e00600.
- **Hasan MJ**, Rabbani R, Bachar SC. Clinical interventions of critical care pharmacist in the therapeutic management of critically ill patients: a retrospective study in Bangladesh. *Dhaka Univ J Pharm Sci* 2019;18:113-9.
- **Hasan MJ**, Rabbani R, Bachar SC, et al. High dose tigecycline-induced mitochondrial dysfunction-associated acute metabolic acidosis: a retrospective study. *J Mol Genet Med* 2019;13:407.
- **Hasan MJ**, Rabbani R, Huq SMR, et al. Tigecycline in CR-Kp associated VAP with high dose vs. conventional dose: adverse events are the key superiority-determiner. *Adv Pharmacoepidemiol Drug Saf* 2019;8:227.
- **Hawkins WA**, Fulford M, Phan SV. Using debates as the primary pedagogy to teach critical care in a PharmD curriculum elective course. *Curr Pharm Teach Learn* 2019;11(9).
- **Hawkins WA, Smith SE, Newsome AS, Carr JR, Bland CM, Branan TN**. Fluid stewardship during critical illness: a call to action. *J Pharm Pract* 2019 Jun 30. [Epub ahead of print]
- **Jacobi J**. Perspectives on mentorship. *SCCM Critical Connections Newsletter*, Summer 2019.
- **Jacobi J**, Czosnowski QA. The effect of critical illness on pharmacokinetics and pharmacodynamics. In:

Parillo JE, Dellinger RP, eds. *Critical Care Medicine Principles of Diagnosis and Management in the Adult*. Philadelphia: Elsevier, 2019.

- Aggarwal MV, **Jarrell AS**, Gilmore VT, et al. Anti-Xa activity by weight in critically ill patients receiving unfractionated heparin for venous thromboembolism prophylaxis. *J Crit Care* 2019;52:180-5.
- Lindner BK, Gilmore VT, Kruer RM, Alvanzo AA, Chen ES, Murray P, Niessen T, Perrin K, Rastegar DA, Young S, **Jarrell AS**. Evaluation of the Brief Alcohol Withdrawal Scale protocol at an academic medical center. *J Addict Med* 2019 Feb 6. [Epub ahead of print]
- Reardon C, **Kane-Gill S**, Smithburger PL, **Dasta J**. Sufentanil sublingual tablet: a new option for acute pain management. *Ann Pharmacother* 2019;53:1220-6.
- **Laine ME, Flannery AH**, Moody B, **Thompson Bastin ML**. Need for expanded *Candida* score for empiric antifungal use in medically critically ill patients? [letter] *Crit Care* 2019;23:242.
- **Lat I, Daley MJ**, Shewale A, Pangrazzi MH, **Hammond D, Olsen KM**; DEFINE study group and the Discovery Research Network. A multicenter, prospective, observational study to determine predictive factors for multidrug-resistant pneumonia in critically ill adults: the DEFINE study. *Pharmacotherapy* 2019;39:253-60.
- **Leedahl DD, Personett HA**, Nagpal A, **Barreto EF**. Prevention of *Clostridium difficile* infection in critically ill adults. *Pharmacotherapy* 2019;39:399-407.
- **Menich B**, Miano TA, **Patel GP, Hammond DA**. Norepinephrine and vasopressin compared to norepinephrine and epinephrine in adults with septic shock. *Ann Pharmacother* 2019;53:877-85.
- **Newsome AS, Bissell BD**, Burry LD, **Defayete AA, Gagnon DJ, Gilbert BW, Kramer CJ**, Miller CJ, **Semanco M, Smith MN, Hammond DA**. Major publications in critical care pharmacotherapy literature in 2018. *J Crit Care* 2019;52:200-7.
- **Owusu K, Effendi M**, Defilippo N, et al. Andexanet alfa: considerations and practical applications. *Crit Pathways Cardiol* December 2019.
- **Sikora Newsome A, Smith SE**, Jones TW, et al. A survey of critical care pharmacists to patient ratios and practice characteristics in intensive care units. *J Am Coll Clin Pharm* 2019 Jul 23. [Epub ahead of print]
- **Sikora Newsome A, Smith SE, Olney WJ**, Jones TW, **Cecil Forehand C, Jun A**, et al. Medication regimen complexity is associated with pharmacist interventions and drug-drug interactions: a use of the novel MRC-ICU scoring tool. *J Am Coll Clin Pharm* 2019 Jun 12. [Epub ahead of print]

- **Smith MN**, Brotherton AL, **Lusardi K**, Tan CA, **Hammond DA**. Systematic review of the clinical utility of methicillin-resistant *Staphylococcus aureus* (MRSA) nasal screening for MRSA pneumonia. *Ann Pharmacother* 2019;53:627-38.
- **Smith MN**, Deloney L, Carter C, **Weant K**, et al. Safety, efficacy, and cost of four-factor prothrombin complex concentrate (4F-PCC) in patients with factor Xa inhibitor-related bleeding: a retrospective study. *J Thromb Thrombolysis* 2019;48:250-5.
- **Smith SE, Hamblin SE**, Dennis BM. Effect of neuromuscular blocking agents on sedation requirements in trauma patients with an open abdomen. *Pharmacotherapy* 2019;39:271-9.
- **Smith SE, Newsome AS**, Tackett RL. Prescribing of pressor agents in septic shock: a survey of critical care pharmacists. *J Pharm Technol* 2019 May 8. [Epub ahead of print]
- **Smith ZR**, Horng M, **Rech MA**. Medication-induced hyperlactatemia and lactic acidosis: a systematic review of the literature. *Pharmacotherapy* 2019 Jul 30. [Epub ahead of print]
- **Thompson Bastin ML**, Short GT, Rust K, **Cook AM, Flannery AH**. Perceptions of television-based education in the ICU: a survey comparison among patients and care providers. *Am J Crit Care* 2019;28:307-15.
- 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* 2019;54:246-9.

### New Fellows

- **Jennifer Cole**: FCCP – American College of Clinical Pharmacy.
- **Joe Dasta**: FCCP – American College of Clinical Pharmacy; FCCM – American College of Critical Care Medicine; MCCM – American College of Critical Care Medicine.
- **Chris Droege**: FCCM – American College of Critical Care Medicine; FASHP – American Society of Health-System Pharmacists.
- **Christine Groth**: FCCM – American College of Critical Care Medicine.
- **Drayton Hammond**: FCCM – American College of Critical Care Medicine.
- **Jodi Taylor**: FASHP – American Society of Health-System Pharmacists.

### Other Notable Achievements

- **Brittany Bissell**: Secretary/Treasurer, ACCP Pulmonary PRN.
- **Scott Bolesta**: Chair, Research Section, Society of Critical Care Medicine.

- **Allison Boyd:** BPS Critical Care Standard Setting Panel; Instructor Certification, Advanced Burn Life Support; BCCCP.
- **Trisha Brannan:** President, Georgia Society of Health-System Pharmacists.
- **Michaelia Cucci:** Co-chair, Research Forum, Research and Scholarship Committee, Society of Critical Care Medicine, Clinical Pharmacy and Pharmacology Section.
- **Joe Dasta:** Nominations Committee, Society of Critical Care Medicine.
- **Muhammad Effedni:** BCCCP; President, New Jersey Health-System Pharmacists Central Chapter.
- **Alex Flannery:** Secretary/Treasurer, Critical Care PRN; Chair, ACCP Publications Committee; Chair-Elect, SCCM CPP Research and Scholarship Committee.
- **Jolie Gallagher:** PGY2 Critical Care Residency Director, Emory University Hospital.
- **Drayton Hammond:** Chair, Education Committee, Society of Critical Care Medicine, Clinical Pharmacy and Pharmacology Section; Co-chair, Mentorship Committee, Society of Critical Care Medicine Research Section; Assistant Professor, Rush Medical College, Department of Internal Medicine – Division of Pulmonary, Critical Care, and Sleep Medicine in the Section of Critical Care Medicine.
- **Jahidul Hasan:** Expert-lecturer, Pharmacy Council of Bangladesh; Professional recognition/free membership, Healthcare Infection Society, London, UK; Creator and best practitioner of Clinical Drug Investigation System of ADR, Directorate General of Drug Administration, Bangladesh; Established Clinical Pharmacy Services, Square Hospitals Ltd.; Infectious Disease and Critical Care Medicine Clinical Coordinator, Square Hospitals Ltd.; Antibiotics and Resistance, Pasteur Institute, Paris, France.
- **Anthony Hawkins:** Chair, Student/Resident Committee, Georgia Society of Health-System Pharmacists.
- **Mojdeh Heavner:** Associate Editor, 3-year term, *American Journal of Health-System Pharmacists*.
- **Judi Jacobi:** Retired from IU Health as a Clinician and now a Senior Consultant for Visante, Inc.
- **Hasan Kazmi:** BCCCP.
- **Desiree Kosmisky:** Chair, Communications Committee, Carolinas/Virginias Chapter of Society of Critical Care Medicine.
- **David Leedah:** BCIDP.
- **Richard Lincoln:** 2018-19 ACCP Student Chapter President, University of Cincinnati James L. Winkle School of Pharmacy.
- **Megan Rech:** Member at Large, Society of Critical Care Medicine, Clinical Pharmacy and

Pharmacology Section.

- **Jodi Taylor:** Director-at-Large, Section of Clinical Specialists and Scientists, American Society of Health-System Pharmacists.
- **Neesha Thakkar:** PGY1 Residency Director, St. David's Medical Center.
- **Toni Vilella:** BCCCP, BCPS.

## Drug Information PRN

### Introduction

The Drug Information (DI) PRN has been providing live and recorded webinars on drug information topics to its members. The PRN's most recent webinar was presented by **Amanda Gerberich, Pharm.D.**, titled "Adaptive Trial Design."

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 **Ashley Taylor, Pharm.D.**, titled "Glucocorticoids in Septic Shock."

DI PRN leadership will be presenting a poster on the PRN's history on Saturday, October 26, from 11:00 a.m. to 1:00 p.m. at the ACCP 40th Annual Meeting in New York City. The PRN's business meeting is scheduled for Monday, October 28, from 6:30 p.m. to 8:30 p.m.

### Awards

- **Michelle W. McCarthy:** American Association of Colleges of Pharmacy (AACP) 2019 Master Preceptor Award.

### Publications

- **Brown JN,** Gordon S, Jacob S, et al. Assessing the economic value of pharmacy resident participation in an investigational drug service. *J Pharm Pract* 2019 June 23. [Epub ahead of print]
- **Brown JN,** Tillman F III, Jacob S, et al. Economic outcomes associated with an investigational drug service within a Veterans Affairs health care system. *Contemp Clin Trials Commun* 2019;14:100354.
- Jacob S, Britt RB, Bryan WE, Hashem MG, Hale JC, **Brown JN.** Economic outcomes associated with safety interventions by a pharmacist-adjudicated prior authorization consult service. *J Manag Care Spec Pharm* 2019;25:411-6.
- Shore SN, Britnell SR, **Brown JN.** Safety analysis of long-term phenazopyridine use for radiation cystitis in a veteran population. *J Oncol Pharm Pract* 2019 April 22. [Epub ahead of print]
- **Kaufman MB,** Choy M. *Healthcare Heroes: The Medical Careers Guide.* In press.
- **Thornby K,** Thornby R, Torrado C. Practical approaches integrating the topic of drug shortages within the doctor of pharmacy curricula. *Am J*

Pharm Educ 2019;83:264-9.

- Dzięwiatkowski N, Osmon E, Chahine EB, **Thornby K**. Baloxavir: a novel single-dose oral antiviral for the treatment of influenza. *Sr Care Pharm* 2019;34:243-52.

### Presentations

- **Thornby K**. Incorporating drug shortages using a process oriented guided inquiry learning method in drug information. American Association of Colleges of Pharmacy 2019 Annual Meeting; July 14, 2019; Chicago, IL.
- **Thornby K**. Join the club! Engaging learners to apply principles of biostatistics and research design to deliver effective journal clubs. Florida Society of Health-System Pharmacists 2019 Annual Meeting; August 2, 2019; Orlando, FL.

### Education and Training PRN

#### Promotions

- **Elias Chahine**: Professor, Palm Beach Atlantic University, the Lloyd L. Gregory School of Pharmacy
- **Eliza Dy-Boarman**: Associate Professor, College of Pharmacy & Health Sciences, Drake University
- **Morgan Herring**: Clinical Associate Professor, University of Iowa College of Pharmacy.
- **Tsitsi Monera-Penduka**: Senior Lecturer, School of Pharmacy, University of Zimbabwe College of Health Sciences.
- **Sarah Nisly**: Professor, Wingate University School of Pharmacy.
- **Lynn Stevenson**: Executive Director of Experiential Programs, Auburn University Harrison School of Pharmacy.
- **Kali VanLangen**: Professor, Ferris State University College of Pharmacy.
- **Sarah (Kelling) Vordenberg**: Clinical Associate Professor, University of Michigan College of Pharmacy.

#### Awards

- **Paul Boylan**: Larkin University College of Pharmacy Class of 2021 Teacher of the Year.
- **Elias Chahine**: Fellow, Florida Society of Health-System Pharmacists.
- **Eliza Dy-Boarman**: AACP Emerging Teaching Scholar Award.
- **Stephanie Sibicky**: 2019 Northeastern University School of Pharmacy Teaching Excellence Award.
- **Mate M. Soric**: Class of 2019 Most Influential Professor; Class of 2019 Commencement Hooder; Ohio Society of Health-System Pharmacists Pharmacy Practice Research Award.

### Grants

- **Elias Chahine**: Assessing Adherence to the 2017 IDSA/SHEA Clinical Practice Guidelines for *Clostridioides difficile* Infection After Pharmacy-Led Educational Interventions. Principal investigator. Palm Beach Atlantic University Quality Initiative Grant \$1500.

### Publications

- **Boylan PM**, Santibanez M. Upper gastrointestinal bleeding in a male patient taking megestrol acetate and rivaroxaban: a case report. *Sr Care Pharm* 2019;34:501-9.
- **Boylan PM**, Sedlacek J, Santibanez M, et al. Development and implementation of interprofessional relations between a college of pharmacy and osteopathic residency programs in a community teaching hospital. *J Pharm Technol* 2019 Jul 22. [Epub ahead of print]
- Alsharif NZ, Brennan L, Abrons JP, **Chahine EB**. An introduction to cultural sensitivity and global pharmacy engagement. *Am J Pharm Educ* 2019;83:7221.
- Alsharif NZ, Khanfar NM, Brennan LF, **Chahine EB**, et al. Cultural sensitivity and global pharmacy engagement in the Arab world. *Am J Pharm Educ* 2019;83:7228.
- Alsharif NZ, Khanfar NM, Brennan LF, **Chahine EB**, et al. Cultural sensitivity and global pharmacy engagement in the United States. *Am J Pharm Educ* 2019;83:7220.
- Caudle KE, Gammal RS, Karnes JH, Afanasjeva J, Anderson KC, Barreto EF, Beavers C, Bhat S, Birrer KL, **Chahine EB**, et al. PRN opinion paper: application of precision medicine across pharmacy specialty areas. *J Am Coll Clin Pharm* 2019;2:288-302.
- Chastain DB, Cluck DB, Stover KR, Lusardi KT, Marx A, Green S, Faulkner-Fennell C, Turner M, **Chahine EB**, et al. A baker's dozen of top antimicrobial stewardship intervention publications in 2017. *Open Forum Infect Dis* 2019;6:ofz133.
- Cluck DB, Bland CM, **Chahine EB**, et al. A baker's dozen of top antimicrobial stewardship publications in 2016. *JAMS*. Preprints 2019, 2019030146.
- Dougherty JA, Sucher AJ, **Chahine EB**, et al. Omadacycline: a new tetracycline antibiotic. *Ann Pharmacother* 2019;53:486-500.
- Dzięwiatkowski NAS, Osmon ENS, **Chahine EB**, et al. Baloxavir: a novel single-dose oral antiviral for the treatment of influenza. *Sr Care Pharm* 2019;34:243-52.
- Hussar DA, **Chahine EB**. Eravacycline dihydrochloride, plazomicin sulfate, and doravirine. *J Am Pharm Assoc* 2019;59:293-6.

- Kennedy RA, Padilla ME, Andrews S, **Christenberry EJ**, et al. Evaluating the standardization of transitions of care in a Texas-Mexico border academic family medicine practice. *J Pharm Pract* 2019 Jan 22. [Epub ahead of print]
- Reinert JP, **Cook EA**. Oxcarbazepine-induced cutaneous reaction in a female of Mexican ancestry. *J Pharm Technol* 2019 May 22. [Epub ahead of print]
- Wooster J, **Cook EA**, Shipman D. Psychiatric manifestations with sacubitril/valsartan: a case report. *J Pharm Pract* 2019 Apr 16. [Epub ahead of print]
- Bryant GA, **Dy-Boarman EA**, Kassel LE. Monitoring adherence to inhaled medications. *JAMA* 2019;322:692-3.
- **Eudaley ST**, Dabbs WS, Chamberlin SM. YouTube as a guide for Respimat SoftMist inhaler technique. *J Pharm Pract* 2019 Jun 23. [Epub ahead of print]
- **Eudaley ST**, Franks AS. A successful phase II residency match – insights from a program. *J Pharm Pract* 2019 Apr 9. [Epub ahead of print]
- **Eudaley ST**, Mihm AE, Higdon R, et al. Development and implementation of a clinical decision support tool for treatment of uncomplicated urinary tract infections in a family medicine resident clinic. *J Am Pharm Assoc* 2019;59:579-85.
- **Isaacs AN**, Walton AM, Gonzalvo JD, **Howard ML**, **Nisly SA**. Pharmacy educator evaluation of web-based learning. *Clin Teach* 2019 Feb 11. [Epub ahead of print]
- Law MG, Marriott J, Usifoh C, Muungo FA, Adome RO, **Monera-Penduka TG**, et al. An analysis of hospital pharmacy practice in six countries of sub-Saharan Africa based on the International Pharmaceutical Federation Basel Statements on the future of hospital pharmacy. *Int J Pharm Pract* 2019 Jul 1. [Epub ahead of print]
- **Nisly SA**, Stevens B. Ritonavir or cobicistat-boosted antiretroviral therapy and direct oral anticoagulants: a case for apixaban. *Int J STD AIDS* 2019;30:718-22.
- **Soric MM**, Robinson JD, Ulbrich TR. A need for a holistic residency application review process. *J Am Coll Clin Pharm* 2019;2:321.
- Frost DA, **Soric MM**, Kaiser R, et al. Efficacy of tramadol for pain management in patients receiving strong cytochrome P450 2D6 inhibitors. *Pharmacotherapy* 2019;39:724-9.
- Snyder BM, **Soric MM**. National trends in statin medication prescribing in patients with a history of stroke or transient ischemic attack. *J Pharm Pract* 2019 Jul 21. [Epub ahead of print]
- **Vordenberg SE**, Lindell V, Sheerer K, et al. Improving hypertension control through a collaboration between an academic medical center and a chain community pharmacy. *J Am Coll Clin Pharm*

2019;2:357-65.

- Farhat NM, **Vordenberg SE**, Marshall VD, et al. Evaluation of interdisciplinary geriatric transitions of care on readmission rates. *Am J Manag Care* 2019;25:e219-e223.
- **Yang T**, Ruegger M, Colavecchia AC, et al. Comparison of levothyroxine dosing in patients with and without heart failure. *Endocr Res* 2019:1-8.

### New ACCP Fellows

- Mate M. Soric

### Other Notable Achievements

- **Stephanie Sibicky**: Master's of Education in eLearning and Instructional Design.

## Emergency Medicine PRN

### Introduction

Members of the EMED PRN have been involved in several prestigious awards and publications. The PRN has continued to host journal club webinars from pharmacy residents and students across the country. The monthly journal clubs have grown to two presenters each month, and attendance has continued to increase. In addition, the Twitter account has stayed active with daily tweets and has achieved over 2195 followers.

### Promotions

- **Christi Cumba Jen**: Clinical Pharmacy Manager at Honor Health Deer Valley Medical Center (August 2019).

### Awards

- **Tuqa Alkhateeb**: First place in Doctoral Medicine & Disease Oral Presentations at the 2019 Appalachian Student Research Forum.
- **Heather Blue**: University of Minnesota: Teacher of the Year (PD3 2020), Duluth PD3 class; Professor of the Class (2019), University of Minnesota College of Pharmacy; Outstanding Pharmacist Award (2019) Minnesota Society of Health-System Pharmacists.
- **Christi Cumba Jen**: Preceptor of the Year for Midwestern University College of Pharmacy – Glendale (May 2019).

### Grants

- **Craig Cocchio**: Amphastar Pharmaceuticals Inc. Research Grant (\$3200). Retrospective Study on Safety of Dosing Volume Greater than or Equal to 0.25mL of Intranasal (IN) Medications in Children (0–3 Years of Age). Role: principal investigator.

## Publications

- **Alkhateeb T**, Kumbhare A, Bah I, et al. S100A9 maintains myeloid-derived suppressor cells in chronic sepsis by inducing miR-21 and miR-181b. *Mol Immunol* 2019;112:72-81.
- **Blue H**, Hawthorne AN, Melgaard K, et al. Pharmacist involvement combating the opioid crisis: a mixed-methods approach revealing unrealized potential. *J Am Coll Clin Pharm* 2019 May 8. [Epub ahead of print]
- Palombi L, Hawthorne AN, Lunos S, Melgaard K, Dahly A, **Blue H**. Community pharmacist utilization of legislation that allows impact on the opioid crisis in the state of Minnesota: a mixed-methods approach. *J Pharm Pract* 2019 Apr 14. [Epub ahead of print]
- **Burkins J**, DeMott JM, Slocum GW, et al. Factors associated with unsuccessful follow-up in patients undertreated for gonorrhea and chlamydia infections. *Am J Emerg Med* 2019 Jun 4. [Epub ahead of print]
- **Cocchio C**. Top 50 OTC drug. In: Busti A, ed. High-Yield MED Reviews.
- **Cocchio C**. Top 40 antidotes in toxicology. In: Busti A, ed. High-Yield MED Reviews.
- **Overberg A**, Morton S, Wagner E, et al. Toxicity of bupropion overdose compared with selective serotonin reuptake inhibitors. *Pediatrics* 2019;144(2).
- Khobrani M, **Perona S**, **Patanwala AE**. Effect of a legislative mandate on opioid prescribing for back pain in the emergency department. *Am J Emerg Med* 2019 Feb 22. [Epub ahead of print]
- **Rech MA**, Mosier MJ, Zelisko S, et al. Outcomes in burn-injured patients who develop sepsis. *J Burn Care Res* 2019 Feb 26. [Epub ahead of print]
- Garg R, **Rech MA**, Schneck M. Stroke mimics: an important source of bias in acute ischemic stroke research. *J Stroke Cerebrovasc Dis* 2019 Jun 28. [Epub ahead of print]
- Hammond DA, Flowers HJC, Meena N, Painter JT, **Rech MA**. Cost avoidance associated with clinical pharmacist presence in a medical intensive care unit. *J Am Coll Clin Pharm* 2019;1-6.
- Hammond DA, Gurnani PK, Flannery AH, Smetana KS, Westrick JC, Lat I, **Rech MA**. Scoping review of interventions associated with cost avoidance able to be performed in the intensive care unit and emergency department. *Pharmacotherapy* 2019;39:215-31.
- Hammond DA, Lam SW, **Rech MA**, et al. Balanced crystalloids versus saline in critically ill adults: a systematic review and meta-analysis. *Ann Pharmacother* 2019 Jul 31. [Epub ahead of print]
- Hammond DA, McCreary EK, **Rech MA**, et al. Perceptions and practices for beta-lactam antibiotic

dosing, administration, and monitoring in critically ill patients: current views and use among critical care and infectious diseases pharmacists. *J Am Coll Clin Pharm* 2019;1-9.

- Hammond DA, **Rech MA**. How-to guide for effectively performing and coordinating multicenter observational research as a clinical pharmacist. *J Am Coll Clin Pharm* 2019 Jul 30. [Epub ahead of print]
- Hammond DA, **Rech MA**, Daley MJ, et al. Pharmacist perceptions regarding vasopressin use in septic shock and cost containment strategies. *J Am Coll Clin Pharm* 2019;2:257-67.
- Hammond DA, Trivedi A, Esmero VM, Hamadeh L, Heikkinen B, Tan C, Hanson A, **Rech MA**. Pharmacists' perceptions and practice changes resulting from emergence of the vancomycin-piperacillin/tazobactam nephrotoxicity phenomenon. *J Am Coll Clin Pharm* 2019 Jul 25. [Epub ahead of print]
- Masic D, Colon Hidalgo D, Kuhrau S, Chaney W, **Rech MA**. Pharmacist presence decreases time to prothrombin complex concentrate in emergency department patients with life-threatening bleeding and urgent procedures. *J Emerg Med* 2019 Aug 22. [Epub ahead of print]
- Smith ZR, Horng M, **Rech MA**. Medication-induced hyperlactatemia and lactic acidosis: a systematic review of the literature. *Pharmacotherapy* 2019 Jul 30. [Epub ahead of print]
- Zavala S, Larson J, O'Mahony M, **Rech MA**. Impact of insufficient admission vitamin D serum concentrations on sepsis incidence and clinical outcomes in patients with thermal injury. *Burns*. In press.

## Other Notable Achievements

- **Craig Cocchio**: ASHP Accreditation – Emergency Medicine PGY2, CHRISTUS Trinity Mother Frances Health System, Tyler, Texas.
- **Lynn Lamkin**: ASHP Accreditation – Emergency Medicine PGY2, University of Louisville Hospital, Louisville, Kentucky.

## Endocrine and Metabolism PRN

The Endocrine and Metabolism PRN is composed 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. (3) Promote practice involvement; educational needs of health care professionals, students,

and patients; and research activities in the areas of endocrinology and metabolism that might be favorably affected by this ACCP PRN effort. The most recent PRN blog is available at <https://endoprn.wordpress.com/2019/08/15/sglt-2-inhibitors-the-new-kids-on-the-block-for-management-of-diabetic-nephropathy/>. During the past 6 months, notable member accomplishments include the following.

### Promotions

- **Justinne Guyton:** Associate Professor at St. Louis College of Pharmacy.
- **Nathan Painter:** Clinical Professor, University of California San Diego, Skaggs School of Pharmacy and Pharmaceutical Sciences.

### Awards

- **Diana Isaacs:** AADE Diabetes Educator of the Year Award and the Ohio Pharmacists Association Under 40 Award.
- **John Mooreman:** P3 Teacher of the Year and P4 Core Faculty Preceptor of the Year for Northeast Ohio Medical University College of Pharmacy.
- **Sara (Mandy) Reece:** PCOM Georgia SOP Department of Pharmacy Practice Teacher of the Year.
- **Heather Whitley:** Mahlon Turner Pharmacy Fellow in Outreach for Auburn University Harrison School of Pharmacy, Certificate of Appreciation for Webinar presentation for APhA-APPM Diabetes Management SIG and Outstanding Contributions Award for APhA-APPM Diabetes Management SIG.

### Grants

- **Dixon DL.** Developing and Implementing Interprofessional Strategies to Improve Diabetes and Cardiovascular Disease Prevention and Management in Underserved Areas. Virginia Department of Health (CDC-RFA-DP18-1815). Funded 2019–2024 (\$1,262,290). Role: principal investigator.
- **Gupta V,** Begley K, Curtis S, Tran D, Woodyard J. Assessment of Drug Utilization Review Evaluation Tools in Schools and Colleges of Pharmacy. American Association of Colleges of Pharmacy Laboratory Instructors SIG \$350.00. Role: principal investigator. January 2019.
- **Gupta V,** Williams E. A Qualitative Analysis of Residency Program Directors' Understanding of Development of Depressive Symptoms in Pharmacy Residents. Roseman University Intramural Grant \$7500. Role: principal investigator. February 2019.

### Publications

- Al-Omar LT, **Anderson SL,** Cizmic AD, et al. Evaluation of the implementation of a pharmacist-led diabetes management protocol. *Am Health Drug Benefits* 2019;12:14-20.
- Courtney L, **Anderson SL,** Marrs JC. Lipid lowering therapy for primary prevention in the HIV patient. *LipidSpin* 2019;17(2).
- Reinert JP, **Cook EA.** Oxcarbazepine-induced cutaneous reaction in a female of Mexican ancestry. *J Pharm Technol* 2019 May 22. [Epub ahead of print]
- Wooster J, **Cook EA,** Shipman D. Psychiatric manifestations with sacubitril/valsartan: a case report. *J Pharm Pract* 2019 Apr 16. [Epub ahead of print]
- Bonaventura A, Carbone S, **Dixon DL,** et al. Pharmacologic strategies to reduce cardiovascular disease in type 2 diabetes mellitus: focus on SGLT2-inhibitors and GLP-1 receptor agonists. *J Intern Med* 2019;286:16-31.
- Carbone S, **Dixon DL.** The CANVAS program: implications of canagliflozin on reducing cardiovascular risk in patients with type 2 diabetes mellitus. *Cardiovasc Diabetol* 2019;18:1-13.
- French EK, **Donihi AC,** Korytkowski MT. Diabetic ketoacidosis and hyperosmolar hyperglycemic syndrome: review of acute decompensated diabetes in adult patients. *BMJ* 2019;365:1114.
- Hsu A, **Painter NA.** Probable interaction between warfarin and inhaled and oral administration of cannabis. *J Pharm Pract* 2019 Jul 18. [Epub ahead of print]
- **Schumacher C, Van Dril E.** Clinical pharmacist's role in heart failure management and the expansion of clinical pharmacist services in health care reform. In: Castelli G, ed. *ACCP Ambulatory Care Pharmacist's Survival Guide*, 4th ed. Lenexa, KS: American College of Clinical Pharmacy, 2019:125-37.
- **Van Dril E, Schumacher C.** Impact of professional continuous glucose monitoring by clinical pharmacists in an ambulatory care setting. *J Am Coll Clin Pharm* 2019;1-7.
- **Whitley HP,** Hanson C, Parton JM, et al. Rationale of family medicine physicians in effectively identifying patients with chronic hyperglycemia through point-of-care hemoglobin A1C screenings. *J Diabetes Metab Disord* 2019;402:1-8.
- **Whitley HP,** Lee R, Steil C, et al. Student pharmacists' service-oriented learning at a camp for children with type 1 diabetes mellitus. *Curr Pharm Teach Learn* 2019;11:825-31.
- **Whitley HP,** Smith WD. Sex-based difference in medications for heart failure. *Lancet* 2019 Aug 22. [Epub ahead of print]

- Gamston CE, Kirby AN, Hansen RA, Redden DT, **Whitley HP**, et al. Description of a pharmacist-led diabetes prevention service within an employer-based wellness program. *J Am Pharm Assoc* 2019;59:736-41.

## Presentations

- **Isaacs D:**  
The ins and outs of starting a CGM program. Presented as an online webinar for: American Association of Diabetes Educators; June 2019.  
CGM data in clinical practice. Presented as an online webinar for: American Association of Diabetes Educators; June 2019.
- **Moorman JM:**  
A class effect or not? An update on the adverse event literature associated with sodium-glucose co-transporter 2 inhibitors. Ohio Society of Health-System Pharmacists Annual Meeting; May 2019; Columbus, OH.  
Utilization of high-intensity statins in ambulatory patients at risk for atherosclerotic cardiovascular disease events: a national cross-sectional study. Ohio Pharmacists Association Annual Conference and Trade Show; April 2019; Columbus, OH.
- **Schumacher C.** Guidelines for non-insulin medication management in patients with type 2 diabetes. Presented as a live webinar for: American Association of Diabetes Educators; April 2019.
- **Simmons K, Covington L.** Providing diabetes care in the uninsured and underinsured population. Texas Society of Health-System Pharmacists Annual Meeting; April 2019; Frisco, TX.
- **Turco N.** Subclinical hypothyroidism: to treat or not to treat? ASHP Summer Meeting; June 2019; Boston, MA.

## Poster Presentations

- Leon B, Oronce CI, Marrs JC, **Anderson SL**, Vlasimsky TB, Richesin SD, Valdez CA, Hanratty R. Characterizing high-risk atrial fibrillation patients in a safety net institution to identify trends that may help improve anticoagulation guideline adherence and stroke prevention. Annual Meeting of the Society of General Internal Medicine; May 2019; Washington, DC.
- **Isaacs D**, Zimmerman R, Lansang MC. Impact of comprehensive medication therapy management in an endocrinology clinic. American Diabetes Association; June 2019; San Francisco, CA.
- Blanchette J, **Isaacs D**, Noe D, Galloway N, Ha A. The impact of CGM monitoring shared medical appointments on planned diabetes self-management changes. American Diabetes Association; June 2019; San Francisco, CA.

## New ACCP Fellows

- Christie Schumacher

## Other Notable Achievements

- **Nicole Slater:** Selected for the Alabama Leadership Initiative.

## Geriatrics PRN

### Presentations

- **Marty Eng:** Alzheimer's update. 2019 Drug-Smith Continuing Education and Trade Show.
- **Lisa Hutchison:** What's new with old drugs? 2019 American Geriatrics Society Annual Meeting; May 4, 2019; Portland, OR.
- **Lisa Hutchison:** "Principles of Aging" and "Complex Case: Inpatient Surgery to Skilled Nursing Facility" for the 2019 ASHP/ACCP Geriatric Pharmacy Specialty Review and Recertification Course; May 2, 2019; Minneapolis, MN.

### Publications

#### Books

- **Michele B. Kaufman** and Mary Choy: *Healthcare Heroes: The Medical Careers Guide*.

#### Articles

- Lerchenfeldt S, Mi M, **Eng M.** The utilization of peer feedback during collaborative learning in undergraduate medical education: a systematic review. *BMC Med Educ* 2019;19:Article number 321.

#### Grants

- **Julianna Fernandez**, Nancy Ordonez, Catherine Hatfield. Southeast Texas Geriatrics Workforce Enhancement Grant (SETx-GWEP). Role in grants: principal investigator: Brian Reed. Funding agency: Health Resources & Services Administration. Funding: \$396,702 (1 of 7 subawards). Duration of funding: 5 years (July 2019 – June 2024).

## New ACCP Fellows

- Crystal Burkhardt

## Promotions

- **Marty Eng:** Cedarville University – Full Professor.

## Other Notable Achievements

- **Emily Peron:** Appointed to the Parkinson's Foundation Aware in Care Advisory Committee in July 2019.
- **Stephanie Sibicky:** Received Master's of Education from Northeastern University in June 2019.

## GI/Liver/Nutrition PRN

### Promotions

- **Branden Nemecek:** Associate Professor, Duquesne University Mylan School of Pharmacy.
- **Emmanuel Saltiel:** Clinical Pharmacist, Gastroenterology, Inflammatory Bowel Program and Small Bowel Disease & Nutrition Program, Cedars-Sinai Medical Center.

### Grants

- **Michelle T. Martin,** Rodrigo M. Burgos, Renata O. Smith. Cohort Study of Hepatitis C Virus Treatment with Zepatier (elbasvir/grazoprevir) in Genotype 1 or 4 HCV Treatment-Naive or Peginterferon/ribavirin-Experienced Patients with Substance Use in Urban, Multidisciplinary Specialty Clinics. Investigator-sponsored research. Funded by: Merck. Sarah M. Michienzi (principal investigator).

### Publications

- **Martin MT.** Gastrointestinal disorders. In: Bainbridge JL, Cardone K, Cross LB, et al. ACCP/ASHP 2019 Ambulatory Care Pharmacy Preparatory Review and Recertification Course. Lenexa, KS: American College of Clinical Pharmacy, 2019:983-1091.
- **Martin MT.** HCV screening: how can pharmacists get involved? Clin Care Options Online. May 21, 2019.
- **Martin MT.** Hepatitis C virus management in the post-pipeline era. In: Dixon DL, Harris IM, eds. Ambulatory Care Self-Assessment Program, 2019 Book 2. Infection Primary Care. Lenexa, KS: American College of Clinical Pharmacy, 2019:7-28.
- Koren D, Zuckerman A, Teply R, Nabulsi N, Lee T, **Martin MT.** Expanding hepatitis C virus care and cure: national experience using a clinical pharmacist-driven model. Open Forum Infect Dis 2019;6:ofz316.
- Michienzi SM, **Martin MT.** Hepatitis A, B, and D. In: Dodds Ashley ES, Gross AE, eds. Infectious Diseases Self-Assessment Program, 2019 Book 1. HIV and Hepatitis. Lenexa, KS: American College of Clinical Pharmacy, 2019:85-104.

### Other Notable Achievements

- **Britta Staubes:** Residency Program Director for the PGY2 Pharmacotherapy Residency Program at Ochsner Medical Center.

## Global Health PRN

### Presentations

- **Sally A. Arif:** Global burden of heart disease & diabetes and the interprofessional team. International Symposium hosted by RAK Medical & Sciences

University; United Arab Emirates.

- **Katelyn R. Dervay:** Pharmaceutical interventions in the trauma bay: more than analgesics. Florida Society of Health-System Pharmacists Annual Meeting; August 2, 2019.
  - **Melanie Nicol:**  
Chesdachai S, Rajasingham R, **Nicol MR,** Meya D, Bongomin F, Abassi M, Skipper C, Kwizera R, Rhein J, Boulware DR. Minimum inhibitory concentration distribution of fluconazole against *Cryptococcus* species and the fluconazole exposure prediction model. ID Week; October 2019; Washington, DC.  
**Eneh PC,** Hullsiek KH, Kiiza D, Rhein JR, Meya DB, Boulware DR, **Nicol MR.** Prevalence and nature of potential drug-drug interactions among HIV patients in a large inpatient cohort in Uganda. International Aids Society Conference; July 2019; Mexico City.  
**Nicol MR,** **Eneh P,** Nakalega R, Kabwigu S, Isingel E, Kiwanuka N, Beksinska M, Sykes C, Fowler MG, Brown TT, Matovu FK. Depomedroxyprogesterone effects on tenofovir-dp and lamivudine-tp in cervical tissue. Poster presented at: Conference on Retroviruses and Opportunistic Infections 2019; March 2019; Seattle, WA.  
**Nicol MR,** Kaiser T, **Corbino JA,** Kabwigu S, Isingel E, Staley C, Matovu FK. Vaginal microbiome is associated with tenofovir diphosphate and lamivudine triphosphate in cervical tissues of Ugandan women. International Workshop on HIV and Women; March 2019; Seattle, WA.
- ### Awards
- **Sally A. Arif:** 2019 Teacher of the Year at Midwestern University, Chicago College of Pharmacy.
  - **Katelyn R. Dervay:** Faculty for ASHP Emergency Medicine Certificate.
  - **Emily Peron:** Outstanding University-Community Partnership by the VCU Council for Community Engagement Award to the Humanitarian Outreach Medical Brigade Relief Effort (HOMBRE) – led by Dr. Peron.
  - **Gina M. Prescott:**  
**Prescott GM,** Bosso NA, Mullen T, Miller ML, Berlie H, Sawyer J. Pre- and post-travel health recommendations for Pharm.D. students engaged in global health experiences. Am J Pharm Educ 2019;83:Article 7654. Poster presented at: 120th Annual Meeting of the American Association of Colleges of Pharmacy; July 2019; Chicago, IL.  
**Prescott GM,** Sawyer J, Prescott WA Jr, Reiman AT, Morse E. Competency-driven global outreach

experiences. *Am J Pharm Educ* 2019;83:Article 7626. Poster presented at: 120th Annual Meeting of the American Association of Colleges of Pharmacy; July 2019; Chicago, IL.

- **Autumn Zuckerman:**

Innovative Pharmacy of the Year, Tennessee Pharmacists Association, June 2019.

Chelewski R, Johnson K, **Zuckerman A**, Peter M, DeClercq J, Choi L, Langone A. Development of a pharmacy collaborative practice agreement to improve efficiency and management of prescribing in a renal transplant clinic. Presented at: Academy of Managed Care and Specialty Pharmacy Annual Meeting; March 2019; San Diego, CA.

Cherry E, Jolly J, **Zuckerman A**, Peter M. Adherence to specialty medications: assessing rates and correlates of nonadherence at an integrated specialty pharmacy. Presented at: Academy of Managed Care and Specialty Pharmacy Annual Meeting; March 2019; San Diego, CA.

Crothers G, Shah N, Kim M, **Zuckerman A**. Development of a quality measures tool for the utilization of tyrosine kinase inhibitors in non-small cell lung cancer: an integrated specialty pharmacy initiative. Poster presented at: Pharmacy Quality Alliance Annual Meeting; May 2019; Baltimore, MD.

Haydek J, Shah N, **Zuckerman A**, Wong R, Garret A, Duley C, Annis K, Wagnon J, Dalal R, Scoville E, Beaulieu D, Schwartz D, Slaughter C, Horst S. Non-adherence to self-injectable biologic medication in patients with moderate to severe inflammatory bowel disease is associated with increased healthcare resource utilization. Presented at: Digestive Disease Week 2019; May 2019; San Diego, CA.

Livezey S, McCormick R, Shah N, Choi L, DeClercq J, **Zuckerman A**. Impact of specialty pharmacist integration on time to medication access for pimavanserin. Presented at: College of Psychiatric and Neurologic Pharmacists Annual Meeting; April 2019; Salt Lake City, UT.

Nabulsi NA, Martin MT, Sharp LK, Koren DE, Tepley R, **Zuckerman A**, Lee TA. Prediction model of treatment failure among chronic HCV. Poster presented at: ISPOR 2019; May 2019; New Orleans, LA.

Nix R, Looney B, Lamb C, Peter M, **Zuckerman A**. A targeted approach to reducing rates of discontinuation and dose reduction in patients receiving sorafenib or regorafenib. Presented at: Academy of Managed Care and Specialty Pharmacy Annual Meeting; March 2019. San Diego, CA.

## Publications

- Ellis J, **Eneh PC**, Ssebambulidde K, Rutakingirwa MK, Lamorde M, Rhein J, Cresswell FV, Boulware DR, **Nicol MR**. Three's a crowd: diagnostic and pharmacokinetic challenges in HIV-TB meningitis-malaria co-infection. A case report. *Wellcome Open Res* 2019;3:111.
- **Nicol MR**, **Eneh PC**, Nakalega R, et al. Depot medroxyprogesterone acetate and the vaginal microbiome as modifiers of tenofovir diphosphate and lamivudine triphosphate concentrations in the female genital tract of Ugandan women: implications for TDF/3TC in pre-exposure prophylaxis. *Clin Infect Dis* 2019 May 25. [Epub ahead of print]
- **Nicol MR**, Taylor J, Pastick K, et al. Cerebrospinal fluid and brain tissue penetration of tenofovir, lamivudine, and efavirenz in post-mortem tissues with cryptococcal meningitis. *Clin Transl Sci* 2019 Jun 17. [Epub ahead of print]
- Chesdachai S, Rajasingham R, **Nicol MR**, et al. Minimum inhibitory concentration distribution of fluconazole against *Cryptococcus* species and the fluconazole exposure prediction model. *Open Forum Infect Dis* 2019 Aug 17. [Epub ahead of print]
- Rhein J, Hullsiek KH, Tugume L, Nuwagira E, Mpoza E, Evans EE, Kiggundu R, Pastick KA, Ssebambulidde K, Akampurira A, Williams DA, Bangdiwala A, Abassi M, Musubire A, **Nicol MR**, et al; on behalf of the ASTRO-CM study team. Adjunctive sertraline in HIV-associated cryptococcal meningitis: a randomized, placebo-controlled, double-blind phase 3 trial. *Lancet Infect Dis* 2019;19:843-51.
- Banks A, Peter M, Holder G, Jolly J, Markley B, Zuckerman S, Choi L, Nwosu S, **Zuckerman A**. Adherence to disease modifying therapies at a multiple sclerosis clinic: the role of the specialty pharmacist. *J Pharm Pract* 2019 Jan 30. [Epub ahead of print]
- Koren D, **Zuckerman A**, Tepley R, et al. Expanding hepatitis C virus care and cure: national experience using a clinical pharmacist-driven model. *Open Forum Infect Dis* 2019;6:ofz316.
- Paoletta D, Cherry E, Jolly J, DeClercq J, Choi L, **Zuckerman A**. Closing the gap: identifying rates and reasons for nonadherence in a specialty population. *J Manage Care Spec Pharm* 2019.
- Reynolds V, Chinn M, Jolly J, Kelley T, Peter M, Choi L, Nwosu S, Carranza Leon B, **Zuckerman A**. Integrated specialty pharmacy yields high PCSK9 inhibitor access and initiation rates. *J Clin Lipid* 2019;13:254-64.
- Shah NB, Jolly JA, Horst SN, Peter M, Limper H, **Zuckerman AD**. Development of a quality

measures tool for the use of self-injectable biologic therapy in inflammatory bowel disease: an integrated specialty pharmacy initiative. *Am J Health Syst Pharm* 2019;76:1296-304.

- Shah NB, Mitchell RE, Proctor ST, Choi L, DeClercq J, Jolly JA, Hemnes AR, **Zuckerman AD**. High rates of medication adherence in patients with pulmonary arterial hypertension: an integrated specialty pharmacy approach. *PLoS One* 2019;14:e0217798.

## Health Outcomes PRN

### Promotions

- **Adriane Irwin**: Associate Professor (Clinical), Oregon State University/Oregon Health & Science University College of Pharmacy.

### Awards

- **Erin Weeda**: Overall Teacher of the Year, MUSC College of Pharmacy; P3 Teacher of the Year, MUSC College of Pharmacy; Outstanding Mentor of the Year, MUSC College of Pharmacy.

### Publications

- **Irwin AN**, Stewart OC, Nguyen VQ, et al. Public perception of pharmacist-prescribed self-administered non-emergency hormonal contraception: an analysis of social media comments. *Res Social Adm Pharm* 2019;15:650-5.
- Hartung DM, Johnston K, **Irwin AN**, et al. Trends in coverage for disease-modifying therapies for multiple sclerosis in Medicare Part D. *Health Aff (Millwood)*. 2019;38:303-12.
- Walsh S, **Irwin AN**, Anderson L, et al. Development of a pharmacist-provided contraceptive service following passage of Oregon House Bill 2879. *J Am Pharm Assoc* (2003). 2019;59(4 suppl):S112-6.
- **Weeda ER**, Casserly C, Britton D, et al. Loop diuretic use among patients with heart failure and type 2 diabetes treated with sodium glucose cotransporter-2 inhibitors. *J Diabetes Complications* 2019;33:567-71.
- **Weeda ER**, Weant KA. Development of a pharmacy residency research certificate program. *Hosp Pharm* 2019 Aug 2. [Epub ahead of print]
- Claudio AM, Foltanski L, Delay T, Britell A, Duckett A, **Weeda ER**, Bohm N. Antibiotic use and respiratory pathogens in adults with sickle cell disease and acute chest syndrome. *Ann Pharmacother* 2019;53:991-6.
- Keeney KP, Calhoun C, Jennings L, **Weeda ER**, Weant KA. Assessment of intravenous insulin dosing strategies for the treatment of acute hyperkalemia in the emergency department. *Am J Emerg Med* 2019 Jul 26:158374. [Epub ahead of print]

## Hematology/Oncology PRN

### Introduction

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 721 members, with trainees (students and residents) making up almost 50% of the membership.

At the 2018 Annual Meeting, the PRN hosted resident and student travel awardees. With a continued increase in student membership and engagement as well as the desire for more opportunities to connect, the second half of the PRN meeting served as a networking session focused on clinical and research activities of the membership. A highlight of the meeting last year was a research presentation given by one of the PRN's student members and travel award recipient. One of the PRN's requests was to increase the involvement of students and residents; therefore, the PRN has activities geared toward trainees. Members also formed three committees within the PRN, which include trainees, to help the PRN officers complete their initiatives, which, over the past year, have included establishing a regular newsletter highlighting member accomplishments, clinical updates, and other topics.

The PRN plans to donate to the Frontiers Fund, and nominations for 2019 awards have been submitted. Plans for PRN collaboration with the Pharmaceutical Industry PRN are under way for the 2019 PRN focus session.

### Promotions

- **R.D. Harvey**: Professor of Hematology and Medical Oncology and Pharmacology and Medical Oncology, Emory University School of Medicine; Chair of ASCO Cancer Research Committee 2019–2020.

### Awards

- **A. Glode**: Hematology/Oncology Pharmacy Association Patient Advocacy Award; 40 Under 40 in Cancer Award, supported by supported by The Lynx Group, McGivney Global Advisors, Upstream Partners, and Swim Across America.

### Publications

- **Adele N**. Current treatment landscape and emerging therapies for pancreatic cancer. *Am J Manag Care* 2019;25(1 suppl):S3-S10.
- Hill H, **Arnall J**, Janes A, et al. A review of R-DHAP in the outpatient setting and a case of the alternative regimen R-DHAX given outpatient for refractory diffuse large B-cell lymphoma. *J Oncol Pharm Pract* 2019 Jan 7. [Epub ahead of print]
- Pillinger KE, McClanahan S, **Arnall J**, et al. Expanding beyond vancomycin and

- aminoglycosides: a novel foscarnet pharmacist-managed dosing service. *Ann Pharmacother* 2019;53:1069-70. [Epub ahead of print]
- **Arnall JR, Moore DC**, Hill HL, Griffin S, Mueller MK, Lavery LA, Voorhees PM, Usmani SZ. Enhancing the feasibility of outpatient daratumumab administration via a split-dosing strategy with initial doses. *Leuk Lymphoma* 2019 Mar 8. [Epub ahead of print]
  - Hartsell L, Janes A, Larck C, Park S, **Arnall JR**. Ibrutinib for the treatment of Bing-Neel syndrome, a complication of Waldenstrom macroglobulinemia: patient case report. *J Oncol Pharm Pract* 2019;25:1534-9.
  - Zhao JC, **Arnall JR**, Martin AL, Atrash S, Bhutani M, Voorhees P, Avalos B, Copelan E, Ghosh N, Hamadani M, Usmani, Ford P. A review of growth factor support in bloodless autologous hematopoietic stem-cell transplant. *Biol Blood Marrow Transplant* 2019 Jul 8. [Epub ahead of print]
  - **Barreto JN**, Cullen MW, Mara KC, et al. QT prolongation in patients with acute leukemia or high-risk myelodysplastic syndrome prescribed antifungal prophylaxis during chemotherapy-induced neutropenia. *Leuk Lymphoma* 2019 Jul 12. [Epub ahead of print]
  - Aitken SL, Nagel JL, Abbo L, Alegria W, **Barreto JN**, et al.; Antimicrobial Stewardship in Cancer Consortium ASCC. Antimicrobial stewardship in cancer patients: the time is now. *J Natl Compr Canc Netw* 2019;17:772-5.
  - Daniels LM, Durani U, **Barreto JN**, et al. Impact of time to antibiotic on hospital stay, intensive care unit admission, and mortality in febrile neutropenia. *Support Care Cancer* 2019 Feb 25. [Epub ahead of print]
  - Ritchie BM, **Barreto JN**, Barreto EF, et al. Relationship of ganciclovir therapeutic drug monitoring with clinical efficacy and patient safety. *Antimicrob Agents Chemother* 2019;63(3).
  - Wieruszewski PM, Barreto EF, **Barreto JN**, et al. Preadmission corticosteroid therapy and the risk of respiratory failure in adults without HIV presenting with *Pneumocystis pneumonia*. *J Intensive Care Med* 2019 Feb 27. [Epub ahead of print]
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## Immunology/Transplantation PRN

### Promotions

- **Jennifer Geyston**: Lead Transplant Pharmacist, University of Virginia Health Systems.

### Grants

- **Chandran M**, co-investigator. Bock M, primary investigator. Transitioning to Adult Transplant Care. Children's Hospital Colorado. Funded by: Donor Alliance Foundation.
- **Moss M**, site investigator. Goebel J, primary investigator. Kidney Immunosuppression Dosed Daily Only (KIDDO). Children's Hospital Colorado, Denver, Colorado. Funded by: Veloxis Pharmaceuticals.

### Publications

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- **Chandran MM**. Management of the organ donor. In: Buck ML, Lee BL, eds. *Pediatric Self-Assessment Program, 2019 Book 2. Transplantation*. Lenexa, KS: American College of Clinical Pharmacy. 2019:145-50.
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- Lim MA, Sawinski D, **Trofe-Clark J**. Safety, effectiveness and tolerability of patiromer in kidney transplant recipients. *Transplantation* 2019;103:e281-e282.

### Invited Presentations

- **Jennifer Geyston**: Banker's hours no more: weekend and holiday transplant pharmacist solutions. American Transplant Congress (ATC); Boston, MA.
- **Alicia Lichvar**: Measuring and reversing direct acting oral anticoagulants. American Transplant Congress (ATC); Boston, MA
- **Mary Moss Chandran**: Conversion to improve adherence: change in formulation or agent immunosuppression in 2019 and beyond: considerations for CNJ conversion. American Transplant Congress (ATC); Boston, MA.  
Impact of once-daily tacrolimus on trough concentration variability in stable adolescent and young adult renal transplant recipients. American Transplant Congress (ATC); Boston, MA.  
Impact of once-daily tacrolimus on trough

concentration variability in stable adolescent and young adult renal transplant recipients. Congress of the International Pediatric Transplant Association (IPTA); Vancouver, British Columbia, Canada.

- **Jennifer Trofe-Clark:** Patient educational information on dietary supplements and medical marijuana. International Vasculitis Symposium, Minneapolis, MN, and participation in panel discussion.

### Poster/Platform Presentations

- **Lichvar A, Campara M, Benedetti E, Benken J.** The implementation and impact of an opioid minimization protocol in an urban renal transplant population. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Moss Chandran M, Steinberg E, Sikora A, et al.** Implementation of a longitudinal comprehensive multidisciplinary transition program and seminar – safely making the long leap to the adult world. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Moss Chandran M, Steinberg E, Sikora A, et al.** Implementation of a longitudinal comprehensive multidisciplinary transition program and seminar – safely making the long leap to the adult world. Congress of the International Pediatric Transplant Association (IPTA); May 2019; Vancouver, British Columbia, Canada.
- **Patel S, Khalil K, Lichvar A, Benedetti E, West-Thielke P.** Time within therapeutic range: a comparison of three tacrolimus formulations within ninety days of renal transplant. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Reticker A, Lichvar A, Gross A, Benedetti E, Patel S.** The significance and impact of screening preservation fluid cultures in renal transplant recipients. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Tejani K, Benedetti E, Lichvar A.** Alemtuzumab versus anti-thymocyte globulin induction in the setting of immediate post-renal transplant acute tubular necrosis in an urban, minority patient population. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Tejani K, Hajjiri Z, Benedetti E, Lichvar A.** Clinical outcomes and risk factors for delayed or slow graft function in an adult, urban renal transplant population. American Transplant Congress (ATC); June 2019; Boston, MA.
- **Valdepenas B, Benken J, Benedetti E, Hajjiri Z, Lichvar A.** Clinical implications of belatacept conversion in a high-risk, urban renal transplant population. American Transplant Congress (ATC); June 2019; Boston, MA.

## Infectious Diseases PRN

The ID PRN continues to build on its previous successes. Members continue to excel and, in particular, achieve BCIDP status. Look for future recertification opportunities with the brand new IDSAP home study materials! Below is a sampling of professional achievements by ID PRN members.

### Promotions

- **Thamer Almangour:** Assistant Professor, Department of Clinical Pharmacy, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- **Mario Beccari:** Clinical Assistant Professor of Infectious Diseases, D'Youville College School of Pharmacy, Buffalo, New York.
- **Rachel Britt:** Pharmacy Clinical Practice Specialist – Infectious Diseases at UTMB Health – Galveston, Texas.
- **Elias Chahine:** Professor of Pharmacy Practice, Palm Beach Atlantic University, the Lloyd L. Gregory School of Pharmacy.
- **Timothy Gauthier:** Clinical Manager of Antimicrobial Stewardship Programs for Baptist Health South Florida.
- **Alan Gross:** Clinical Associate Professor, University of Illinois at Chicago, College of Pharmacy.
- **Monica Mahoney:** Clinical Pharmacy Specialist, Outpatient ID & OPAT Clinics, Beth Israel Deaconess Medical Center, Boston, Massachusetts.
- **Drew Zimmer:** ID Pharmacist at CoxHealth System, Springfield, Missouri.

### Board Certification in Infectious Diseases (BCIDP)

- Thamer Almangour
- Lisa Avery
- Nika Bejou
- Josh Caraccio
- Amy Carr
- Rebecca Cofsky
- Laura Cwengros
- Wasim El Nekidy
- Madeline King
- Jenna Lopez
- Krutika Mediwala
- Kayla Stover

### Awards

- **Sara Alosaimy:** Wayne State University International Postdoc Award 2019; ID Week Trainee Travel Award; American Society of Microbiology Fellow Travel Award.

- **Amanda Barner:** Cambridge Public Health Department – Public Health Hero.
- **Jim Beardsley:** Dean’s Award for Teaching Excellence (Wake Forest School of Medicine).
- **Elias Chahine:** Fellow, Florida Society of Health-System Pharmacists.
- **Daniel Chastain:** Preceptor of the Year, PGY1 Pharmacy Practice Residency, Phoebe Putney Memorial Hospital/University of Georgia College of Pharmacy.
- **Matthew Davis:** PGY2 Resident of the Year (UC Davis); most impactful research project (UC Collaborative Research Conference).
- **Madeline King:** Bright Idea Award for incorporating Twitter into APPE student rotations.
- **Le Bonheur Antimicrobial Stewardship Program** won “The Quality Cup Award – Greater Memphis Chamber – Summit level (highest level)” for Reducing Use of Broad-Spectrum Antibiotics (**Kelley Lee, Jeremy Stultz, Chasity Shelton, Bindiya Bagga, and Sandra Arnold**).
- **Melanie Mahoney:** University of Minnesota College of Pharmacy Alumni Society Student Award; Health-System Pharmacist of the Year, Massachusetts Society of Health-System Pharmacists.
- **Krutika Mediwala:** Lowcountry Elective Preceptor of the Year, Palmetto Experiential Education Partnership (PEEP); Young Pharmacist of the Year, SC Society of Health-System Pharmacists.
- **Paula Politis:** Health-System Pharmacist of the Year, Ohio Society of Health-System Pharmacists.
- **Kayla Stover:** Faculty Service Award.
- **Tracy Zembles:** SHEA “Race Against Resistance” Education Scholarship.

## Grants

- **Elias Chahine:** Palm Beach Atlantic University Quality Initiative Grant.
- **Chris Destache:** Competitive internal grant mechanism.
- **Brandon Dionne:** ASHP Foundation Pharmacy Resident Practice-Based Research Grant.
- **Debra Goff**
- **Melanie Mahoney:** Melendy/Peters Research Scholarship.
- **Michelle Martin:** Hepatitis C research. Funded by: Merck.
- **Kayla Stover:** Educational grant to implement a new teaching initiative.

## Publications

- **Alghanem SS, Touw DJ, Thomson AH.** Pharmacokinetic-pharmacodynamic analysis of weight and height scaled tobramycin dosage regimens for patients with cystic fibrosis. Accepted

- in *J Antimicrob Chemother* 2019;74:2311-7.
- **Almangour T, Asher GN, Corbett A.** Botanicals for common infections. In: Hume A, Orr K, eds. *Principles and Practice of Botanicals as an Integrative Therapy*. Boca Raton, FL: CRC Press, 2019:243-70.
- **Almangour TA, Perry GK, Terriff CM, et al.** Dalbavancin for the management of gram-positive osteomyelitis: effectiveness and potential utility. *Diag Microbiol Infect Dis* 2019;93:213-8.
- **Alessa MA, Almangour TA, Alhossan A, et al.** Ceftolozane-tazobactam for the treatment of multidrug-resistant *Pseudomonas aeruginosa* pneumonia in a patient receiving intermittent hemodialysis. *Am J Health Syst Pharm* 2018;75:e184-e188.
- **Alghamdi W, Alsultan A, Al-Shaer M, et al.** Cycloserine population pharmacokinetics and pharmacodynamics in patients with tuberculosis. *Antimicrob Agents Chemother* 2019;63:e00055-19.
- **Al-Shaer MH, Alghamdi WA, Alsultan A, et al.** Fluoroquinolones in drug-resistant tuberculosis: culture conversion and pharmacokinetic/pharmacodynamic target attainment to guide dose selection. *Antimicrob Agents Chemother* 2019;63:e00279-19.
- **Al-Shaer MH, Alghamdi WA, Graham E, et al.** Meropenem, cefepime, and piperacillin protein-binding in patient samples. *Ther Drug Monit* 2019 Jul 15. [Epub ahead of print]
- **Avery L, Hoffmann C, Whalen K.** The use of aerosolized ribavirin in respiratory syncytial virus lower respiratory tract infections in adult immunocompromised patients – a systematic review. *Hosp Pharm* 2019 Mar 27. [Epub ahead of print]
- **Barber KE, Albrecht S, Stover KR.** Successful treatment of persistent cryptococcal meningitis with antiretroviral therapy and alternative antifungals. *J Pharmacol Pharmacother* 2019;10:35-7.
- **Barber KE, Wagner JL, Stover KR.** Impact of obesity on acyclovir-induced nephrotoxicity. *Open Forum Infect Dis* 2019;6:ofz121.
- **Rastas C, Sirignano D, Barner A, et al.** Legionella infection associated with dimethyl fumarate used for treatment of multiple sclerosis. *J Neurol* 2019 Jul 26. [Epub ahead of print]
- **Beccari MV, Mogle BT, Sidman EF, Mastro KA, Asiago-Reddy EA, Kufel WD.** Ibalizumab: a novel monoclonal antibody for the management of multidrug-resistant HIV-1 infection. *Antimicrob Agents Chemother* 2019;63:e00110-19.
- **Mogle BT, Beccari MV, Fazili T, Steele JM, Kufel WD.** Clinical considerations for oral beta-lactams as step-down therapy for Enterobacteriaceae bloodstream infections. *Expert Opin Pharmacother* 2019;20:903-7.
- **Beganovic M, McCreary EK, Mahoney MV, Dionne**

- B**, Green DA, **Timbrook TT**. Interplay between rapid diagnostic tests (RDTs) and antimicrobial stewardship programs (ASPs) among patients with bloodstream and other severe infections. *J Applied Lab Med* 2019;3:601-616.
- Wright WF, **Bejou N**, **Shields RK**, et al. Amphotericin B induction with voriconazole consolidation as salvage therapy for FKS-associated echinocandin resistance in *Candida glabrata* septic arthritis and osteomyelitis. *Antimicrob Agents Chemother* 2019;63:e00512-19.
  - **Bernard S**, **Kuper K**, **Lee KB**, Stevens MP, Hohmann SF, Nguyen N, **Pakyz AL**. Association between meeting core elements for inpatient antimicrobial stewardship and antibiotic utilization. *Infect Control Hosp Epidemiol* 2019;40:1050-2.
  - Hawkins WA, Smith SE, Sikora A, Carr J, **Bland CM**, et al. Fluid stewardship during critical illness: a call to action. *J Pharm Pract* 2019 Jun 30. [Epub ahead of print]
  - **Britt RS**, **Mahoney MV**, **McCoy C**. Successful rifampin administration after rifabutin-induced leukopenia. *Ann Pharmacother* 2019 Jul 31. [Epub ahead of print]
  - **Britt RB**, **Pearson JC**, **Mahoney MV**, Carlson AC. Probable ceftaroline-induced thrombocytopenia: a case report. *Ann Pharmacother* 2019;53:762-3.
  - Alsharif NZ, Brennan L, Abrons JP, **Chahine EB**. An introduction to cultural sensitivity and global pharmacy engagement. *Am J Pharm Educ* 2019;83:7221.
  - Alsharif NZ, Khanfar NM, Brennan LF, **Chahine EB**, et al. Cultural sensitivity and global pharmacy engagement in the Arab world. *Am J Pharm Educ* 2019;83:7228.
  - Alsharif NZ, Khanfar NM, Brennan LF, **Chahine EB**, et al. Cultural sensitivity and global pharmacy engagement in the United States. *Am J Pharm Educ* 2019;83:7220.
  - Caudle KE, Gammal RS, Karnes JH, Afanasjeva J, Anderson KC, Barreto EF, Beavers C, Bhat S, Birrer KL, **Chahine EB**, et al. PRN opinion paper: application of precision medicine across pharmacy specialty areas. *J Am Coll Clin Pharm* 2019;2:288-302.
  - Dougherty JA, Sucher AJ, **Chahine EB**, et al. Omadacycline: a new tetracycline antibiotic. *Ann Pharmacother* 2019;53:486-500.
  - Talagtag MS, Petrillo PTS, Lajoie KS, **Chahine EB**. Engaging students and pharmacists in medical missions. *Sr Care Pharm* 2019;34:444-8.
  - **Chastain DB**, **Cluck DB**, **Stover KR**, **Lusardi KT**, **Marx A**, **Green S**, **Faulkner-Fennell C**, **Turner M**, **Chahine E**, **Bookstaver PB**, **Bland CM**. A baker's dozen of top antimicrobial stewardship intervention publications in 2017. *Open Forum Infect Dis* 2019;6:ofz133.
  - **Chastain DB**, Giles RL, **Bland CM**, et al. A clinical pharmacist survey of prophylactic strategies used to prevent adverse events of lipid-associated formulations of amphotericin B. *Infect Dis (Lond)* 2019;51:380-3.
  - **Covington EW**, Baldwin BJ, Warren E. Pharmacy-led  $\beta$ -lactam allergy interview (BLAI) reduces duration of fluoroquinolones within a community hospital. *Ann Pharmacother* 2019;53:588-95.
  - **Covington EW**, Wingler MJB, Jayakumar RA, et al. Strategies for clarifying  $\beta$ -lactam allergies when skin testing is not an option. *Pharmacy* 2019;7:69.
  - **Davis MR**, **Donnelley MA**, Thompson GR. Ibrexafungerp: a novel oral glucan synthase inhibitor. *Med Mycol* 2019 Jul 25. [Epub ahead of print]
  - Nguyen MH, **Davis MR**, Wittenberg R, et al. Posaconazole serum drug levels associated with pseudohyperaldosteronism. *Clin Infect Dis* 2019 Aug 12. [Epub ahead of print]
  - **Destache CJ**, Guervil DJ, Kaye KS. Ceftaroline fosamil for the treatment of gram-positive endocarditis: CAPTURE study experience. *Int J Antimicrob Agents* 2019;53:644-9.
  - Cavalieri SJ, Kwon S, Vivekanandan R, Ased S, Carroll C, Anthonie J, Schmidt D, Baysden M, **Destache CJ**. Effect of antimicrobial stewardship with rapid MALDI-TOF identification and Vitek 2 antimicrobial susceptibility testing on hospitalization outcome. *Diagn Microbiol Infect Dis* 2019;95:208-11.
  - Mandal S, Prathipati PK, Belshan MA, **Destache CJ**. Potential long-acting bictegrovir loaded nano-drug delivery system to prevent HIV-1 infection: a proof-of-concept study. *Antivir Res* 2019;167:83-8.
  - **Dilworth TJ**, Beck E, Pederson R, et al. High rate of linezolid non-susceptibility among enteric vancomycin-resistant *Enterococcus* (VRE) recovered from hospitalized patients actively screened for VRE colonization. *Infect Control Hosp Epidemiol* 2019;40:821-2.
  - Clark L, Skrupky LP, Servais R, Brummitt CF, **Dilworth TJ**. Examining the relationship between vancomycin area under the concentration time curve and serum trough levels in adults with presumed or documented staphylococcal infections. *Ther Drug Monit* 2019;41:483-8.
  - **Dionne B**. Key principles of antiretroviral pharmacology. *Infect Dis Clin North Am* 2019;33:787-805.
  - **Dionne B**, Kubiak DW. Infection prophylaxis in the immunocompromised patient. In: Murphy JE, Lee MWL, Gabardi S, eds. *Current Issues in Pharmacotherapy. Pharmacotherapy Self-Assessment Program*. Lenexa, KS: American

College of Clinical Pharmacy; 2019.

- **Eljaaly K**, Enani MA. Superinfection: a forgotten quality measure of antimicrobial stewardship? *APAU Spring 2019 Newsl* 37:6-7.
- **Eljaaly K**, Wali H, Baselim A, Alharbi A, Asfour H. Clinical cure with ceftriaxone versus ceftaroline or ceftobiprole in the treatment of staphylococcal pneumonia: a systematic review and meta-analysis. *Int J Antimicrob* 2019;54:149-53.
- **El Nekidy WS**, El-Masri MM, **Ghazi IM**, Soong D. Factors predicting vancomycin therapy outcomes in hemodialysis outpatients and the role of the nephrology stewardship pharmacist. *Hemodial Int* 2019 Jul 30. [Epub ahead of print]
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- **Geriak M**, Haddad F, Rizvi K, **Rose W**, Kullar R, **Laplante K**, et al. Clinical data on daptomycin plus ceftaroline versus standard of care monotherapy in the treatment of methicillin-resistant *Staphylococcus aureus* bacteremia. *Antimicrob Agents Chemother* 2019;63:e02483-18.
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- **Jorgensen SC**, Zasowski EJ, Trinh TD, Lagnf AM, Nhatia S, Bhatia S, Sabagha N, **Abdul-Mutakabbir JC**, **Alosaimy S**, **Mynatt RP**, **Davis SL**, **Rybak MJ**. Daptomycin plus beta-lactam combination therapy for methicillin-resistant *Staphylococcus aureus* bloodstream infections: a retrospective, comparative study. *Clin Infect Dis* 2019 Aug 12. [Epub ahead of print]
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- **Kufel WD**, Eranki AP, Paolino KP, et al. In vivo pharmacokinetic analysis of meropenem-vaborbactam during continuous renal replacement therapy. *J Antimicrob Chemother* 2019;74:2117-8.
- **Kufel WD**, Seabury RW, Mogle BT, **Beccari MV**, et al. Readiness to implement vancomycin monitoring based on area under the concentration-time curve: a cross-sectional survey of a national health consortium. *Am J Health Syst Pharm* 2019;76:889-94.
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- **Martin MT**. HCV screening: how can pharmacists get involved? *Clin Care Options Online*. May 21, 2019.
- **Martin MT**. Hepatitis C virus management in the post-pipeline era. In: Dixon DL, Harris IM, eds. *Ambulatory Care Self-Assessment Program, 2019 Book 2. Infection Primary Care*. Lenexa, KS: American College of Clinical Pharmacy, 2019:7-28.

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- Khalil AJ, **Mediwala KN**, Mehta MJ, et al. Survey of residency program directors' attitudes and perceptions of non-traditional pharmacy residency applicants. *Am J Health Syst Pharm*. In press.
- **Nguyen CT**, Davis KA. Evaluating the impact of peer comparison on vancomycin dose order verification among pharmacists. *J Am Coll Clin Pharm* 2019;2:137-42.
- **Nguyen CT**, Reuter CM, Hudson T, et al. Evaluation of surgical site infection antibiotic prophylaxis among patients receiving antibiotics for active infection. *J Hosp Infect* 2019 Jun 8. [Epub ahead of print]
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- Vaughan D, **Pakyz A**, Stevens M, **Lee K**, **Bernard S**. Adequacy of empiric gram-negative coverage for septic patients at an academic medical center. *Am J Infect Control* 2019 May 18. [Epub ahead of print]
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- Colby JM, **Patel PC**, Fu DY, et al. Commonly used fluoroquinolones cross-react with urine drug screens for opiates, buprenorphine, and amphetamines. *Clin Biochem* 2019;68:50-4.
- Lodise TP, Rosenkranz SL, Finnemeyer M, Evans S, Sims M, Zervos MJ, Creech CB, **Patel PC**, Keefer M, Riska P, Silveira FP, **Scheetz M**, et al.; Antibacterial Resistance Leadership Group. The emperor's new clothes: prospective observational evaluation of the association between initial vancomycin exposure and failure rates among adult hospitalized patients with MRSA bloodstream infections (PROVIDE). *Clin Infect Dis* 2019 Jun 3. [Epub ahead of print]
- **Stover KR**, **Barber KE**, **Wagner JL**. Allergic reactions and cross-reactivity potential with beta-lactamase inhibitors. *Pharmacy* 2019;7:77.
- Riche DM, **Stover KR**, Pittman JR, et al. Admission type as a predictor of performance in a problem-based learning course series. *Curr Pharm Teaching Learn* 2019;11:231-5.
- Wingler MJB, **Stover KR**, **Barber KE**, **Wagner JL**. An evaluation of pharmacist-led interventions for inpatient HIV-related medication errors. *J Pharm Technol* 2019 Jun 21. [Epub ahead of print]
- Willems HME, **Stultz JS**, Coltrane ME, et al. Disparate *Candida albicans* biofilm formation in clinical lipid emulsions due to capric acid mediated inhibition. *Antimicrob Agents Chemother* 2019 Aug 12. [Epub ahead of print]
- **Suda KJ**, Calip GS, Zhou J, Rowan S, **Gross AE**, et al. Assessment of the appropriateness of antibiotic prescriptions for infection prophylaxis before dental procedures, 2011 to 2015. *JAMA Network Open* 2019;2:e193909.
- **Zembles TN**, Bushee G, Willoughby RW. Impact of American Academy of Pediatrics palivizumab guidance for children  $\geq 29$  and  $< 35$  weeks of gestational age. *J Pediatr* 2019;209:125-9.
- **Zembles TN**, Bushee G, Willoughby RE. Reply. *J Pediatr* 2019 June 13. [Epub ahead of print]

#### New ACCP Fellows

- Lisa Avery

#### Other Notable Achievements

- **Sara Alosaimy**: Abstract Selected for Platform at 2019 SIDP Annual Meeting; Abstract selected for 2019 ACCP Annual Meeting Poster CPE Invitation.
- **Amanda Barner**: ID Week 2019 Poster: Evaluation of time to organism identification and pharmacist impact on antibiotic prescribing through utilization of MALDI-TOF at two community, teaching hospitals (Poster No. 2009).
- **Britt RS**, Gold HS, **Mahoney MV**, **McCoy C**. Poster accepted at Massachusetts Society of Health-System Pharmacists Annual Meeting 2019: Evaluation of the duration of empiric antimicrobial therapy after defervescence and no identified source of infection in patients with febrile neutropenia.
- **Britt RS**, **Mahoney MV**, Gold HS, O'Donnell JN,

**McCoy C:** Poster accepted at IDWeek 2019: Evaluation of empiric antifungal therapy in critically ill patients with liver disease, sepsis, and no evidence of active fungal infection. Saturday, October 5, at 12:15 p.m. Poster No. 2113.

- **Matthew Davis:** ID Clinical Pharmacist, UCLA Ronald Reagan Medical Center.
- **Brandon Dionne:** 2019-20 Secretary/Treasurer of the ACCP ID PRN.
- **Debra Goff:** One of 25 global experts selected by the World Health Organization to help implement ASP in lower middle income countries in 2020.
- **Kimberly Lee:** Co-founder of the Stewardship Interest Group of Virginia (SIGOVA), with a virtual research symposia. [www.vdh.virginia.gov/surveillance-and-investigation/sigova-antimicrobial-stewardship-virtual-research-symposium/](http://www.vdh.virginia.gov/surveillance-and-investigation/sigova-antimicrobial-stewardship-virtual-research-symposium/)
- **Melanie Mahoney:** Poster presentation at ECCMID: *Escherichia coli* ST131 in Boston vs. Minneapolis: prevalence, virulence genes, and antibiotic resistance.
- **Monica Mahoney:** 2019-20 Chair-Elect of the ACCP ID-PRN. MSHP webinar "It's the End of the World as We Know It: Updates on the Treatment of Gram-negative Infections." MAD-ID presenter, "Short Course Therapy for Common Infections," "Whetting Your Appetite: Current & New Therapies for Complicated Intra-abdominal Infections," and "Formulary Management Strategies in Antimicrobial Stewardship." SHEA Spring Conference presenter, "Challenging Cases: Gram-negative Infections" and "Antibiotic Stewardship in Solid Organ and Hematologic Oncology Transplant Patients."
- **Pratish Patel:** AAHIVP certification.

## Nephrology PRN

### Promotions

- **Linda Awdishu:** Professor of Clinical Pharmacy and Chair, Division of Clinical Pharmacy, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California San Diego.
- **Calvin Meaney:** Clinical Associate Professor at University at Buffalo School of Pharmacy and Pharmaceutical Sciences.
- **Timothy Nguyen:** Full Professor of Pharmacy Practice (effective fall 2019), Arnold & Marie Schwartz College of Pharmacy and Health Sciences, Long Island University.

## Awards

- **Ifeanyi Onor:** Lawrence Ferring Faculty Award (Best Faculty), Xavier University of Louisiana (XULA) College of Pharmacy.
- **Wendy St. Peter:** National Kidney Foundation's 2020 Medical Advisory Board Distinguished Service Award.

## Publications

- **EI Nekidy WS**, El-Masri MM, Ghazi IM, et al. Factors predicting vancomycin therapy outcomes in hemodialysis outpatients and the role of the nephrology stewardship pharmacist. *Hemodial Int* 2019 Jul 30. [Epub ahead of print]
- El-Masri MM, **EI Nekidy WS**, Soong D, et al. Efficacy of alteplase 1 versus 2 mg dose in restoring haemodialysis catheter function (Alte-dose 2): a randomized double-blind controlled study. *Nephrology (Carlton)* 2019 Jul 3. [Epub ahead of print]
- **Meaney CJ**, Sudchada P, Consiglio JD, et al. Influence of calcineurin inhibitor and sex on mycophenolic acid pharmacokinetics and adverse effects post-renal transplant. *J Clin Pharmacol* 2019;59:1351-65.
- **Nguyen T, Tran T, Dowling T.** Principles of drug therapy in reduced kidney function. In: Lapsia V, Jaar B, Ejaz AA, eds. *Kidney Protection. A Practical Guide to Preserving Renal Function in Acute and Chronic Disease.* Oxford University Press, 2019:chap 21.
- Wong E, **Nguyen T.** Introduction of an integrated curriculum: early outcomes and experiences within a large private university. *Curr Pharm Teach Learn* 2019;11:528-32.

## Other Notable Achievements

- **Linda Awdishu:** Appointed as Board Member, American Board of Internal Medicine, Nephrology Board. Appointed as a Member, American Society of Nephrology Kidney Week Programming Committee. Appointed to Editorial Board, American Society of Nephrology *Kidney360 Journal*.
- **Matt Horton:** Completed a nephrology pharmacy residency and started a full-time faculty position at California Northstate University in Elk Grove, California.

## Pain and Palliative Care PRN

### Publications

- **Basri DS, DiScala SL**, Brooks AT, et al. Analysis of inpatient hospice pharmacist interventions within a Veterans Affairs medical center. *J Pain Palliat Care*

Pharmacother 2018;32:240-7.

- Goodlev ER, **DiScala S**, Darnall BD, et al. Managing cancer pain, monitoring for cancer recurrence, and mitigating risk of opioid use disorders: a team-based, interdisciplinary approach to cancer survivorship. J Palliat Med 2019 Jul 22. [Epub ahead of print]

## Presentations

- **Sandra DiScala**, Maura Miller, Michael Silverman. A case report describing the management of intrathecal opioids in hospice care. American Academy of Hospice and Palliative Medicine Annual Meeting Assembly; March 13–16, 2019; Orlando, FL.
- Lauren Shirley, **Sandra DiScala**, Christine M. Vartan, Hiroko Forbes. Evaluating utilization and outcomes of the prescription drug monitoring program (PDMP) within the West Palm Beach Veterans Affairs (VA) Healthcare System. PAINWeek Conference; September 5, 2019; Las Vegas, NV.

## Awards/Honors

- **Kashelle Lockman**: ACCP New Educator Award.

## Pediatrics PRN

Several Pediatrics PRN subcommittees have been developing new programming and opportunities for members. Highlights are as follows:

*Education Committee*: Will continue to offer resident/fellow journal clubs during 2019–2020 with plans to pilot a student journal club as well. A big thank-you to the committee for all the work designing the 2019 Pediatrics PRN Focus Session – Medical Use of Cannabinoid Products in the Pediatric Population, to be offered Sunday, October 27, 2019, from 4:30 p.m. to 6:30 p.m. (EST) at the Annual Meeting

*Research Committee*: Continues to support PRN members in their research and scholarly endeavors. The Pediatrics PRN is excited for the opportunity to sponsor eligible Pediatrics PRN members to participate in the ACCP FIT and/or the ACCP MeRIT program. If approved, the sponsorship will provide eligible applicants with financial support to cover part of the ACCP FIT/MeRIT tuition. More information can be found on the PRN website (<http://pediprn.accp.com/>).

*Travel Awards Committee*: Continues to support resident/fellow and student members of the PRN with an award to partly defer the costs to attend the ACCP Annual Meeting. Award recipients will be recognized at the Pediatrics PRN business meeting on Monday, October 28, 2019, from 6:30 p.m. to 8:30 p.m. (EST) at the Annual Meeting.

*Social Media Committee*: Check out the Facebook

(<https://facebook.com/acpppediprn/>) and Twitter (@acpppediprn) accounts for up-to-date information regarding the PRN as well as pediatric pharmacy practice.

*Nominations Committee*: Is excited to present its recently elected officers: Deborah Bondi (chair-elect) and Cassandra Ruggles (secretary/treasurer). Thank you to all candidates who ran this year and for your continued engagement with the Pediatrics PRN!

## Promotions

- **Justin Cole**: Chair of the Department of Pharmacy Practice for the Cedarville University School of Pharmacy.
- **Peter (Pete) N. Johnson**: Professor of Pharmacy Practice, the University of Oklahoma College of Pharmacy.

## Awards

- **Amy Kruger Howard**: 2019 Ton Hoek Scholarship awarded by the American Pharmacists Association (APhA) Foundation.
- **Peter (Pete) N. Johnson**: President's Associate Presidential Professor from University of Oklahoma and University of Oklahoma Health Sciences Center (award and new title for dedication to teaching and mentoring students in research).
- **Ricky Ogden**: University of Missouri-Kansas City School of Pharmacy 2019 Health-System Pharmacy Alumni Service Award.
- **Deborah K. Pritchett**: Egger Family Employee of the Year from Sanford Children's Hospital/Sanford USD Medical Center.

## Publications

- Miller JL, Ernst K, Neely SB, Stephens K, **Barker P**, Skrepnek GH, **Johnson PN**. Low-dose versus high-dose methadone for the management of neonatal abstinence syndrome. J Opioid Manag 2019;15:159-67.
- **Beckman EJ**. Management of the pediatric organ donor. J Pediatr Pharmacol Ther 2019;24:276-89.
- Bednarz AM, Israel EN, **Beckman EJ**, et al. Safety of enteral sildenafil in hemodynamically unstable children. Cardiol Young 2019;3:1-5.
- **Blackmer AB**, Siu A, Thornton A, **Johnson PN**, **Nichols KR**, **Hagemann TM**. Academic careers in pediatric pharmacy: part 2-academic advancement. J Pediatr Pharmacol Ther 2019;24:183-93.
- Siu A, **Blackmer A**, Thornton A, **Johnson PN**, **Nichols K**, **Hagemann TM**. Overview and preparation guide for academic careers in pediatric pharmacy, part 1: career as a pediatric pharmacy practice faculty member. J Pediatr Pharmacol Ther 2019;24:79-89.
- **Fusco NM**, Maerten-Rivera JL, Doloresco F, et al.

Improving pharmacy students' attitudes toward collaborative practice through a large-scale inter-professional forum targeting opioid dependence. *Am J Pharm Educ* 2019;83:Article 7034.

- Prescott WA Jr, Violanti KC, **Fusco NM**. Characterization of vaccination policies for attendance and employment at day/summer camps in New York State. *J Pharm Pract* 2019;32:382-7.
- **Johnson PN**, Stephens K, **Barker P**, Bergeron E, Lim SY, **Hagemann TM**, **Lewis TV**, et al. Prescribing patterns of continuous infusions in non-obese versus obese children admitted to the pediatric intensive care unit. *J Pediatr Intensive Care* 2019;1-7.
- Capino AC, **Johnson PN**, Williams P, et al. A pilot study comparing the Modified Finnegan Scoring System versus Adjusted Scoring System for infants with iatrogenic opioid abstinence syndrome status cardiothoracic surgery. *J Pediatr Pharmacol Ther* 2019;24:154-61.
- **Kruger Howard A**, Morgan J. To treat or triage: frequently asked questions on managing fevers in otherwise healthy children. *US Pharm* 2019;44:22-5.
- Sharma K, Cooke C, **Kruger Howard A**, et al. Beneficiary, caregiver, and case manager perspectives on the medication therapy management (MTM) program standardized format. *J Gerontol Nurs* 2019;45:7-13.
- **Matson KL**, **Johnson PN**, Tran V, et al. Opioid use in children. *J Pediatr Pharmacol Ther* 2019;24:72-5.
- Pabst D, **Ogden RK**. Tiered communication system for a health system pharmacy department. *Am J Health Syst Pharm* 2019;76:637-8.
- **Sawrey EL**, Subramanian MW, Ramirez KA, et al. Use of body surface area for dosing of vancomycin. *J Pediatr Pharmacol Ther* 2019;24:296-303.
- **Stultz JS**, Arnold SR, **Shelton CM**, Bagga B, **Lee KR**. Antimicrobial stewardship impact on *Pseudomonas aeruginosa* susceptibility to meropenem at a tertiary pediatric institution. *Am J Infect Control* 2019 June 25. [Epub ahead of print]
- **Stultz JS**, **Eiland LS**. Doxycycline and tooth discoloration in children: changed of recommendations based on evidence of safety. *Ann Pharmacother* 2019 Jul 7. [Epub ahead of print]

### Other Notable Achievements

- **Elizabeth Beckman**: Appointed to Pediatric Critical Care Medicine journal editorial board for a 3-year term.
- **Ricky Ogden**: Fellow, American College of Healthcare Executives.

## Perioperative Care PRN

Members of the Perioperative Care PRN continue to be engaged in research and outreach efforts related to the care of patients undergoing surgery. The PRN's focus session, titled "Red Light ... Green Light ... Red Light: Anticoagulation Challenges in the Surgical Patient," will be held Sunday, October 27, from 2:15 p.m. to 3:45 p.m. The PRN appreciates the work of its Education Committee, led by Chair-Elect Eric Johnson. This summer, the PRN hosted two webinars, which were well attended. The PRN appreciates the expertise of its presenters, Drs. Sara Hyland and Daniel James.

### Publications

- Caudle KE, Gammal RS, Karnes JH, Afanasjeva J, Anderson KC, Barreto EF, Beavers C, Bhat S, **Birrer KL**, et al. PRN opinion paper: application of precision medicine across pharmacy specialty areas. *J Am Coll Clin Pharm* 2019;2:288-302.
- **Gaviola ML**, Scribe EC, Leverett HN, et al. Statin effects on incidence, treatment success, and mortality of *Clostridium difficile* infections. *J Pharm Pract* 2019 Jun 19. [Epub ahead of print]
- Grass F, **Lovely JK**, Crippa J, et al. Comparison of recovery and outcome after left and right colectomy. *Colorectal Dis* 2019;21:481-6.
- Quiram BJ, Crippa J, Grass F, **Lovely JK**, et al. Impact of enhanced recovery on oncological outcomes following minimally invasive surgery for rectal cancer. *Br J Surg* 2019;106:922-9.
- Brummett C, England C, Evans-Shields J, Kong A, Lew C, Henriques C, Zimmerman N, **Pawasauskas J**, et al. Healthcare burden associated with outpatient opioid use following inpatient or outpatient surgery. *J Manage Care Spec Pharm* 2019;25:973-83.
- Prach A, Clancy A, LeBlanc M, Thomasian B, Kelley M, Hogan E, **Pawasauskas J**. Implementation and evaluation of an inpatient naloxone program in a community teaching hospital. *Res Soc Admin Pharm* 2019;15:1037-42.
- **Wolfe RC**. Perioperative buprenorphine. *J Perianesth Nurs* 2019;34:867-70.
- **Wolfe RC**, Evans T. Antithrombotic therapy and regional anesthesia. *J Perianesth Nurs* 2019;34:439-46.

### Other Notable Achievements

- **Rachel C. Wolfe**: Master's degree in Health Administration from Webster University.

## Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN

### Awards

- **Keito Hoshitsuki**: 2019 Rho Chi – AFPE First Year Graduate Fellowship.
- **Jason Karnes**: New Investigator Award, American College of Clinical Pharmacy.

### Grants

- **Jasmine Luzum**: Precision Medicine for Heart Failure: The Role of Genomics in the Efficacy and Racial Disparity of Cornerstone Pharmacotherapy. NHLBI K08. Role: principal investigator.
- **Lusi Zhang**: 2019 ACCP Foundation Futures Grant. Polygenic Risk for Cardiovascular Diseases, Cardiovascular Medication Burden and Cognitive Performance in Patients with Psychotic Disorders. Role: principal investigator. Mentor: **Jeffrey R. Bishop**.

### Publications

- **Alghanem SS**, Touw DJ, Thomson AH. Pharmacokinetic-pharmacodynamic analysis of weight and height scaled tobramycin dosage regimens for patients with cystic fibrosis. *J Antimicrob Chemother* 2019;74:2311-7.
- Cavallari LH, Van Driest SL, Prows CA, **Bishop JR**, Limdi NA, Pratt VM, Ramsey LB, **Smith DM**, **Tuteja S**, **Duong BQ**, **Hicks JK**, Lee JC, **Owusu Obeng A**, **Beitelshes AL**, **Bell GC**, Blake K, **Crona DJ**, Dressler L, Gregg RA, Hines LJ, Scott SA, Shelton RC, **Weitzel KW**, Johnson JA, Peterson JF, **Empey PE**, Skaar TC. Multi-site investigation of strategies for the clinical implementation of *CYP2D6* genotyping to guide drug prescribing. *Genet Med* 2019 Mar 21. [Epub ahead of print]
- Ramsey LB, **Brown JT**, Vear SI, **Bishop JR**, Van Driest SL. Gene-based dose optimization in children. *Annu Rev Pharmacol Toxicol* 2019 Jul 5. [Epub ahead of print]
- **Caudle KE**, **Gammal RS**, **Karnes JH**, Afanasjeva J, Anderson KC, Barreto EF, Beavers C, Bhat S, Birrer KL, Chahine EB, Ensor CR, Flowers SA, Formea CM, George JM, Gosser RA, Hebert MF, Karaoui LR, Kolpek JH, Lee JC, Leung JG, Maldonado AQ, Minze MG, **Pulk RA**, Shelton CM, Sheridan M, Smith MA, Soefje S, Tellez-Corrales E, **Walko CM**, Cavallari LH. PRN opinion paper: application of precision medicine across pharmacy specialty areas. *J Am Coll Clin Pharm* 2019;2:288-302.
- **Caudle KE**, Sangkuhl K, Whirl-Carrillo M, Swen JJ, Haidar CE, Klein TE, **Gammal RS**, Relling MV, Scott SA, Hertz DL, Guchelaar HJ, Gaedigk A.

Standardizing *CYP2D6* genotype to phenotype translation: consensus recommendations from the Clinical Pharmacogenetics Implementation Consortium (CPIC) and Dutch Pharmacogenetics Working Group (DPWG). *Clin Transl Sci*. In press.

- Carr RC, Leung D, **Ensom MHH**. Survey of therapeutic drug monitoring practices in pediatric health care programs across Canada. *Can J Hosp Pharm* 2019;72:126-32.
- Hong J, Lau TTL, **Ensom MHH**. What is the evidence for co-trimoxazole, clindamycin, doxycycline, and minocycline in the treatment of methicillin-resistant *Staphylococcus aureus* (MRSA) pneumonia? *Ann Pharmacother* 2019;53:1153-61.
- Rong Y, Mayo P, **Ensom MHH**, **Kiang TKL**. Population pharmacokinetics of mycophenolic acid co-administered with tacrolimus in corticosteroid-free adult kidney transplant patients. *Clin Pharmacokinet* 2019 May 4. [Epub ahead of print]
- **Gammal RS**, Mayes J, **Caudle KE**. Ready or not, here it comes: direct-to-consumer pharmacogenomic testing and its implications for community pharmacists. *J Am Pharm Assoc* (2003) 2019;59:646-50.
- Desta Z, **Gammal RS**, Gong L, Whirl-Carrillo M, Gaur AH, Sukasem C, Hockings J, Myers A, Swart M, Tyndale RF, Masimirembwa C, Iwuchukwu O, Chirwa S, Lennox J, Gaedigk A, Klein TE, Haas DW. Clinical Pharmacogenetics Implementation Consortium (CPIC) guideline for *CYP2B6* and efavirenz-containing antiretroviral therapy. *Clin Pharmacol Ther* 2019;106:726-33.
- **Hicks JK**, **Aquilante CL**, **Dunnenberger HM**, **Gammal RS**, **Funk RS**, Aitken SL, Bright DR, Coons JC, Dotson KM, Elder CT, Groff LT, **Lee JC**. Precision pharmacotherapy: integrating pharmacogenomics into clinical pharmacy practice. *J Am Coll Clin Pharm* 2019;2:303-13.
- **Hoshitsuki K**, **Crews KR**, Yang W, Smith CA, Hankins JS, Turner AJ, Broeckel U, McMillin GA, Relling MV, **Haidar CE**. Challenges in clinical implementation of *CYP2D6* genotyping: choice of variants to test affects phenotype determination. *Genet Med* 2019 Jul 25. [Epub ahead of print]
- **Hoshitsuki K**, Molinelli AR, Inaba H, Rubnitz JE, Barker, PJ. Case of metabolic acidosis in a pediatric patient with leukemia and fungal infection. *Clin Chem* 2019. In press.
- Hulsén T, Jamuar SS, Moody A, **Karnes JH**, Orsolya V, Hedensted S, Spreafico R, Hafler DA, McKinney E. From big data to precision medicine. *Front Med* 2019;6:34.
- Patanwala AE, Norwood C, Steiner H, Morrison D, Li M, Walsh K, Martinez M, Baker SE, Snyder EM, **Karnes JH**. Psychological and genetic predictors of

- pain tolerance. Clin Transl Sci 2019;12:189-95.
- Ramamoorthy A, **Karnes JH**, Finkel R, Blanchard R, Pacanowski M. Evolution of next generation therapeutics: past, present, and future of precision medicines. Clin Transl Sci 2019. In press.
- **Kiang TKL**, **Ensom MHH**. Exposure-toxicity relationships of mycophenolic acid in adult kidney transplant patients. Clin Pharmacokinet 2019 Jul 22. [Epub ahead of print]
- Rautiola D, **Maglalang PD**, Cheryala N, et al. Intranasal coadministration of a diazepam prodrug with a converting enzyme results in rapid absorption of diazepam in rats. J Pharmacol Exp Ther 2019 Mar 5. [Epub ahead of print]
- Cicali EJ, Weitzel KW, Elsey AR, Orlando FA, Vinson M, Mosley S, **Smith DM**, et al. Challenges and lessons learned from clinical pharmacogenetic implementation of multiple gene-drug pairs across ambulatory care settings. Genet Med 2019 Mar 30. [Epub ahead of print]

### Other Notable Achievements

- **Max Smith**: Assistant Professor of Oncology at Georgetown University School of Medicine.

### Pulmonary PRN

#### Awards

- **Brittany Bissell**: Received an Igniting Research Collaborations grant for her work in "Immunomodulatory Effects of Opioids in Sepsis."
- **Paul Boylan**: Received Larkin University College of Pharmacy Teacher of the Year.

#### Publications

- **Bissell BD**, Magee C, Moran P, et al. Hemodynamic instability secondary to vasopressin withdrawal in septic shock. J Intensive Care Med 2019;34:761-5.
- Hammond DA, Sacha GL, **Bissell BD**, et al. Effects of norepinephrine and vasopressin discontinuation order in the recovery phase of septic shock: a systematic review and individual patient data meta-analysis. Pharmacotherapy 2019;39:544-52.
- McCleary EJ, Thompson Bastin ML, **Bissell BD**, et al. Development of a co-precepting model for a preceptor-in-training program for new practitioners. Hosp Pharm 2019;54:246-9.
- Newsome AS, **Bissell BD**, Burry LD, et al. Major publications in critical care pharmacotherapy literature in 2018. J Crit Care 2019;52:200-7.
- Woodward CW, Lambert J, Ortiz-Soriano V, Li Y, Ruiz-Conejo M, **Bissell BD**, et al. Fluid overload associates with major adverse kidney events in critically ill patients with acute kidney injury requiring continuous renal replacement therapy. Crit Care Med 2019 Jun 3. [Epub ahead of print]

- **Boylan PM**, Santibañez M. Upper gastrointestinal bleeding in a male patient taking megestrol acetate and rivaroxaban: a case report. Sr Care Pharm 2019;34:499-507.
- **Boylan PM**, Sedlacek J, Santibañez M, et al. Development and implementation of interprofessional relations between a college of pharmacy and osteopathic residency programs in a community teaching hospital. J Pharm Technol 2019 Jul 22. [Epub ahead of print]

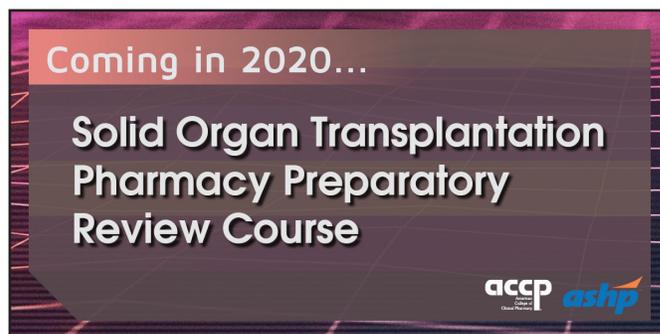
### Women's Health PRN

#### Promotions

- **Kylie N. Barnes**: Clinical Associate Professor, University of Missouri-Kansas City School of Pharmacy.
- **Sarah M. Westberg**: Professor, University of Minnesota College of Pharmacy.
- **Audra M. Wilson**: Clinical Pharmacy Specialist, Tele-PACT/Women's Health, VISN 20 CRH Tele-Primary Care.

#### Publications

- **Anderson L**, Hartung DM, Middleton L, et al. Pharmacist provision of hormonal contraception in the Oregon Medicaid population. Obstet Gynecol 2019;133:1231-7.
- Rodriguez MI, Darney BG, Edelman AB, Yee K, **Anderson L**, et al. Pharmacists expand access to reproductive healthcare: PEARL study protocol. BMC Health Serv Res 2019;19:207.
- Rodriguez MI, Hersh A, **Anderson L**, et al. Association of pharmacist prescription of hormonal contraception with unintended pregnancies and Medicaid costs. Obstet Gynecol 2019;133:1238-46.
- Walsh S, Irwin AN, **Anderson L**, et al. Development of a pharmacist-provided contraceptive service following passage of Oregon House Bill 2879. J Am Pharm Assoc 2019;59(4 suppl):S112-S116.



## ACCP FOUNDATION UPDATE

### Board of Trustees to Share 2-Year Plan for Funding New Initiatives



In the past 9 months, the Board of Trustees (BOT) has received valuable input from individual members, PRNs, and stakeholders.

The BOT is now prepared to begin funding over the next 2 years for new and updated initiatives addressing the Foundation's expanded mission. The plan will first be shared with members attending the Annual Meeting in October. Programs will reflect the Foundation's continued emphasis on supporting research and investigator development as well as broadening the emphasis to include supporting more ACCP members in scholarship and advanced practice.

### Congratulations to 2019 Futures Grants Program Awardees

The ACCP Foundation Frontiers Fund is earmarked to support researchers, scholars, and practitioners and to promote research and scholarship to practitioners, trainees, and students. Through its Futures Grants program, the Foundation 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 sustained interest and careers in pharmacy research.

This year, the ACCP Foundation received 37 applications for its mentored research funding program. Each application was reviewed by an expert panel according to the program's core review criteria. The ACCP Foundation congratulates the 2019 Futures Grants program award-ees. All award recipients will be recognized during the Awards and Recognition Ceremony on Sunday, October 27, during the ACCP Annual Meeting in New York City.

### Junior Investigator Awards:

- **Leo F. Buckley**, Pharm.D., Brigham and Women's Hospital – Precision Pharmacologic Inhibition of NLRP3 Inflammasome Activity in Experimental Uremic Cardiomyopathy. Mentor: Peter Libby, M.D.
- **Razieh Kebriaei**, M.Sc., Ph.D., Wayne State University – A Novel Approach for Combating Medical Device Associated Biofilm Infections of MRSA. Mentor: Michael Rybak, Pharm.D., MPH, Ph.D., FCCP, FIDP, FIDSA.

### Student/Resident Awards:

- **Andrew Jatis**, Pharm.D. Candidate, University of Iowa College of Pharmacy – Exploration of Prohibitin-1 as a Novel Therapeutic in Glucose Homeostasis and Insulin Signaling. Mentor: Ethan Anderson, Ph.D.

- **Lusi Zhang**, MHI, Pharm.D. Candidate, University of Minnesota – Polygenic Risk for Cardiovascular Diseases, Cardiovascular Medication Burden and Cognitive Performance in Patients with Psychotic Disorders. Mentor: Jeffrey Bishop.

The ACCP Foundation 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 Barreto, Philip Chung, Mariann Churchwell (chair), Alexander Flannery, Jeffrey Fong, Abir Kanaan, Craig Lee, Jeannine McCune, Ian McGrane, Pamela Moye-Dickerson, Keith Olsen, Kimberly Scarsi, Jason Schaefer, and Michael Ujhelyi. Members of the Student/Resident Award Review Committee were Paul Gubbins (chair), Kirolos Hanna, Jason Karnes, Qing Ma, Courtney Mospan, Emma Tillman, Adrian Wong, and Eric Wright.

### FUTURES GRANTS TIMELINE CHANGES IN 2020

May 15, 2020: Request for applications opens.

September 1, 2020: Deadline for grant application submissions.

November 15, 2020: Award decisions announced.

For more information about the Futures Grants program, please visit the ACCP Foundation [website](#).



It's not too late to enter a PRN or independent trivia team in the ACCP Foundation Trivia Challenge, which will take place during the Opening Reception of the ACCP Annual Meeting in New York City, Saturday, October 26, 2019, at 7:30 p.m. The Fundraiser Trivia Challenge is a simple fundraising competition that will end with a rousing game of pharmacy trivia. Teams of four will compete to answer questions about clinical scenarios, unusual medical equipment, other pharmacy topics, and potpourri.

[Click here to visit the Trivia Challenge website for more information and to create a team.](#)

Last year, the inaugural Trivia Challenge was swept by the Board of Regents team, winning top score honors and the distinction of the trivia team raising the most money. The Regents already have registered a team for 2020 (“The Boardinators”), so we’d like to encourage as much friendly competition as possible to take on the reigning champions.

## 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 2018 MeRIT participants’ completed research posters and the 2019 MeRIT participants’ research design posters during the Annual Meeting in New York City, Saturday, October 26, from 11:30 a.m. to 1:00 p.m. in the New York Hilton Midtown, Americas Hall I.

The application period for the 2020 MeRIT Program will open in November 2019, with letters of intent to attend due February 28, 2020, and full applications due March 31, 2020. The primer program will be held June 22–26, 2020, on the campus of the University of Kentucky College of Pharmacy in Lexington.

### Focused Investigator Training (FIT) Program

The FIT flagship pharmacist investigator training program continues June 22–26, 2020, 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, given that 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 2020 FIT Program will open in November 2019, with letters of intent to attend due February 28, 2020, and full applications due March 31, 2020.

### 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 will be available at the ACCP Foundation’s booth at the Annual Meeting in New York, or on the website [here](#).

## WASHINGTON UPDATE

### ACCP’s Efforts to Address Opioid Abuse Highlighted in *Washington Post*

According to the [Washington Post](#), from 2006 through 2012, 76 billion prescription pain pills were manufactured and shipped to pharmacies all over the country, fueling a public health epidemic that killed 100,000 Americans. Central to ACCP’s vision for the clinical pharmacy profession is the belief that pharmacists must be accountable for engineering and overseeing a fail-safe medication use system. As policy-makers and health care leaders grapple with the scale of America’s opioid crisis and how to address it, ACCP has actively been partnering with key allies to highlight areas in which clinical pharmacists can uniquely support these efforts.

Most recently, the *Post* published a letter to the editor written by ACCP President Suzanne A. Nesbit in response to the newspaper’s ongoing investigative series into America’s opioid epidemic. In her letter, Nesbit calls on Baltimore and other communities to develop a comprehensive strategy to combat addiction – including a team-based approach to care that fully uses clinical pharmacists, the health professionals best suited to optimize medication use. [Click here](#) to read Dr. Nesbit’s letter in full.

### Relevant Programming at the ACCP Annual Meeting

- [ACCP Annual Meeting Keynote Address: We Are the Answer to Ending America’s Opioid Crisis](#)
- [Pain and Palliative Care PRN Focus Session – The State of the Science on Opioid Conversions](#)
- [Implementing Opioid Stewardship in Healthcare Facilities of Any Size](#)

## **National Academies of Medicine Forum on Mental Health and Substance Use Disorders**

ACCP participates in a nationally recognized, structured forum to promote data, policies, practices, and systems that affect the diagnosis and provision of care for mental and substance use disorders, including substance-related and addictive conditions. In this capacity, ACCP helps lead the dialogue on a range of issues, including coordination and integration of clinical pharmacists' services in primary and specialty health care delivery systems and standardization of data collection to enable data matching, aggregation, and sharing. [Click here](#) to learn more about the NAM Forum on Mental Health and Substance Use Disorders.

## **American Society of Addiction Medicine (ASAM)**

ACCP is currently partnering with ASAM, a professional medical society representing over 6000 physicians, clinicians, and associated professionals in the field of addiction medicine, to promote joint educational programming and other collaborative activities related to addiction medicine. [Click here](#) to learn more about ASAM.

## **Coalition to Stop Opioid Overdose (CSOO)**

Earlier in 2019, ACCP signed on as a member of CSOO, a coalition of local, regional, and national groups committed to advancing meaningful legislative and regulatory policies in response to the opioid overdose epidemic. The coalition seeks to address the U.S. opioid overdose epidemic by engaging policy-makers, public health leaders, chronic pain and addiction specialists, individuals in and seeking recovery, and family members so that legislation and policies receive the support and funding needed. [Click here](#) to learn more about CSOO.

## **Recommendations to HHS Pain Management Taskforce**

The HHS Pain Management Best Practices Inter-Agency Task Force issued a call for stakeholder recommendations on best practices and issue recommendations that address gaps or inconsistencies for managing chronic and acute pain.

In response, ACCP submitted comments calling for the integration of clinical pharmacists as essential team members into the multidisciplinary approach to chronic pain that focuses on the patient's medical condition, comorbidities, and medication management services, including medication-assisted treatment (MAT) services for those with a dual diagnosis of chronic pain and opioid use disorder. [Click here](#) to read ACCP's comments in full.

## **Legislative Opportunities – Recognition of CDTM in Warren/Cummings Language**

Currently before Congress, the [Comprehensive Addiction Resources Emergency \(CARE\) Act](#), introduced by Senator Elizabeth Warren (D-MA) and Representative Elijah E. Cummings (D-MD), would provide states and communities

with \$100 billion in federal funding over 10 years, including more than \$800 million a year directly to tribal governments and organizations.

Of importance, the CARE Act includes a minor but potentially significant provision that specifically recognizes pharmacists providing care under recognized collaborative practice structures. Although the bill is unlikely to advance in its current format, ACCP will continue to work with congressional allies to advance payment for clinical pharmacists' services delivered through team-based structures. [Click here](#) to read more about the CARE Act.

## **Opioid Issue Strategy and Outlook**

ACCP's top advocacy priority is focused on helping achieve medication optimization in the treatment of chronic diseases through comprehensive medication management (CMM). Of importance, ACCP fully recognizes that the scale of America's addiction problem goes well beyond simply "getting the medications right." Addressing the opioid crisis that has developed in the 21st century will require meaningful and comprehensive system-wide policy changes that support evidence-based prevention, treatment, harm reduction, and recovery support services.

In partnering with groups like NAM, CSOO, and ASAM, ACCP adds clinical pharmacy's voice and resources to those working to increase access to comprehensive, evidence-based outpatient treatment for patients with opioid use disorders; expand programs to treat substance use disorders – including medication-assisted treatment (MAT); collect public health data; implement other evidence-based prevention strategies; encourage data sharing between states; and support other prevention and research activities related to controlled substances, including education and awareness efforts.

Thus, although ACCP does not believe it appropriate to seek opportunities to advance the College's CMM effort through legislation specifically targeting opioid abuse, the College asserts that clinical pharmacists are essential team members in the multidisciplinary approach to chronic pain that focuses on the patient's medical condition, comorbidities, and medication management services, including MAT services for those with a dual diagnosis of chronic pain and opioid use disorder. In keeping with the organizational vision that ACCP will drive positive changes in health care as the professional organization most influential in advancing clinical pharmacist roles and responsibilities to optimize pharmacotherapy in the prevention and treatment of disease, ACCP's Board of Regents continues to support committing staff time and resources to help ensure the profession demonstrates appropriate leadership amid a recognized public health crisis.

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

Launched in 2006 under the guidance of Dr. Ed Webb, [the Congressional Healthcare Policy Fellow Program](#) is a

collaborative effort of ACCP, the Virginia Commonwealth University School of Pharmacy, 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 via immersion in the congressional environment. Fellows are actively mentored in legislative evaluation, policy development, research, and writing while integrating practical experience with theory. The [2019–2020 fellow, Dr. Kyle Robb](#), currently works on the minority staff of the [Senate Committee on Health, Education, Labor and Pensions \(HELP\)](#).

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.

Fellows typically seek congressional office placement with one of the committees 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 2020–2021 Pharmacy Healthcare Policy Fellow Program**

Learn more about the Healthcare Policy Fellow Program by attending the Professional Placement Forum at ACCP's upcoming Annual Meeting, where you can meet Dr. Robb and ACCP staff to discuss the program in person.

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

### **Don't Miss the Exciting Advocacy Session in New York City!**

**Navigating Regulatory and Payment Barriers to Medication Optimization: Advocating for Business Models That Sustain Clinical Practice** (Saturday, October 26, 9:45 a.m. – 11:45 a.m. Nassau Room)

The key to securing ongoing, sustainable revenue streams from public and private payers lies in demonstrating value, outcomes, and savings. The profession has made great strides in developing consistent language around the process of care, but the absence of clear definitions around statewide protocols, collaborative practice, and scope of practice remain barriers to building sustainable, scalable business models and revenue

streams to support clinical practice.

The goal of this session is to discern how legal structures that regulate clinical practice can help establish a common understanding and set of expectations for patient care across the entire health care spectrum, including public and private payers. The attendee will gain knowledge related to how federal laws and regulations – including the Social Security Act, the Affordable Care Act (ACA), and implementation of the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) – can advance clinical pharmacy practice through team-based approaches to medication optimization.

The session will also present effective strategies to optimize your advocacy communications with key stakeholder groups, including Congress, Medicare, and Medicaid policy-makers and in outreach to private insurance plans.

### **Faculty**

**Moderator:** Kathy Pham, Pharm.D., BCPPS, ACCP  
Director of Policy and Professional Affairs

**Speaker:** Curtis E. Haas, Pharm.D., FCCP, Director of Pharmacy, University of Rochester Medical Center

**Speaker:** Jon Easter, Director of the Center for Medication Optimization, UNC Eshelman School of Pharmacy

**Speaker:** Paul T. Kelly, President, Capitol Advocacy & Government Affairs, LLC

### **Program**

1. Getting the Definitions Right: Why Statutory Terminology Matters
2. Building the Business Model by Meeting the Metrics: CMM in Value-Based Payment and Delivery
3. Legislative and Regulatory Advocacy and Communications
4. Question and Answer Session with Speaker Panel

### **ACCP Programs for Postgraduate Trainees**

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 <https://www.accp.com/resfel/newsletter.aspx>.

You can follow news and events for postgraduate trainees on Twitter @ACCPpostgrads.

### **Mentoring Program**

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 2019–2020 program opened August 12, 2019, to residents and fellows seeking a mentor.

### Professional Placement Forum

ACCP continues to meet resident- and fellow-specific needs at the ACCP Annual Meeting with programs addressing their upcoming search for a practitioner position. The Professional Placement Forum will feature PGY2 and new practitioner positions to allow trainees to get a head start on searching for their next position. Residents and fellows can also attend a special session on researching, evaluating, and negotiating that first job offer.

### Creating Your Digital Brand

The ACCP “Creating Your Digital Brand” toolkit was designed by the 2019 ACCP National Resident Advisory Committee to help students, trainees, and pharmacists develop their professional online presence using sites such as LinkedIn and Twitter. [Click here](#) to begin creating your own digital brand.

### National Resident Advisory Committee

The 2020 National Resident Advisory Committee has been appointed and will be chaired by Justin Moore and co-chaired by Louisa Sullivan. Members-at-large serving on the committee will include Aidan Fischer, Shahrier Hossain, Zach Howe, Kyle Molina, Laura Roccograndi, Clara Ting, Amanda Van Matre, Olga Vlashyn, Charlotte Wagner, and Andrew Webb.



## STUDENT INITIATIVES UPDATE

### ACCP Clinical Pharmacy Challenge: The Pursuit of Excellence Continues



Now in its 10th year, ACCP’s national team competition for pharmacy students returns to the 2019 ACCP Annual Meeting in New York City. This year, from an initial field of 120 teams, eight have advanced through four online rounds of competition to reach the quarterfinals. Below are the 2019 ACCP Clinical Pharmacy Challenge quarterfinal teams and their schedule.

### 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 almost \$90,000 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
- HIV
- Immunology/Transplantation
- Infectious Diseases
- Nephrology
- Pain and Palliative Care
- Pediatrics
- Perioperative Care
- Pharmacokinetics/Pharmacodynamics/  
Pharmacogenomics
- Women’s Health

### 2019–2020 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 Brian Erstad selected student members for appointment. The committee will convene at the upcoming 2019 ACCP Annual Meeting in New York City.

ACCP is pleased to announce the appointment of the following student members to the 2019–2020 SNAC.

## 2019 ACCP CLINICAL PHARMACY CHALLENGE SCHEDULE

<b>Saturday, October 26</b>	
<b>Quarterfinal A</b>	
9:45 a.m. – 10:15 a.m.	South Dakota State University College of Pharmacy vs. St. Louis College of Pharmacy
<b>Quarterfinal B</b>	
10:30 a.m. – 11:00 a.m.	Butler University College of Pharmacy and Health Sciences vs. University of Toledo College of Pharmacy and Pharmaceutical Sciences
<b>Quarterfinal C</b>	
11:15 a.m. – 11:45 a.m.	University of Arizona College of Pharmacy vs. University of Minnesota College of Pharmacy
<b>Quarterfinal D</b>	
Noon – 12:30 p.m.	University of Colorado Anschutz Medical Campus Skaggs School of Pharmacy and Pharmaceutical Sciences vs. University of Washington School of Pharmacy
<b>Sunday, October 27</b>	
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
<b>Monday, October 28</b>	
11:00 a.m. – 11:30 a.m.	Final Round – Winner Semifinal A vs. Winner Semifinal B

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

**Vice Chair:** Nicole Hum, University of Pittsburgh School of Pharmacy

**Secretary:** Kristine Yee, University of Colorado Anschutz Medical Campus Skaggs School of Pharmacy and Pharmaceutical Sciences

**Members-at-Large:**

- Sushma Dey, University of South Florida College of Pharmacy
- Goran Flajc, University of Houston College of Pharmacy
- Adam Hussain, Howard University College of Pharmacy
- Alex McCormick, Drake University College

of Pharmacy

- Martha Morton, Cedarville University School of Pharmacy
- Ashley Weaver, Butler University College of Pharmacy and Health Sciences
- Ali Wiegand, University of Kentucky College of Pharmacy

**ACCP Student Chapter Award 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, the University of Houston College of Pharmacy. Houston also received the 2018 Outstanding Chapter Award. ACCP will present the officers representing the University of Houston College of Pharmacy with their Outstanding Chapter plaque and \$1000 award during the Student Chapter Forum session on Saturday, October 26, during the 2019 ACCP Annual Meeting in New York City.

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



Competition in the 2019 ACCP Clinical Research Challenge (CRC) began February 3 with 82 teams vying for a spot in round 2: Letter of Intent (LOI) submission. Teams achieving the top 40 scores after the initial online Journal Club Round submitted an LOI. Teams achieving the top 20 scores after round 2 were invited to compete in round 3: Research Protocol Development. Round 3 teams were then 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 for evaluation and selection of awards by the CRC Oversight Panel. Please join ACCP in congratulating the award winners.

### ACCP Clinical Research Challenge Awards

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

Proposal Title: HEDIS Measures and Osteoporosis: A Clinical Pharmacy Approach to Optimize Fracture Care in Postmenopausal Females  
Student Team Members: Neda Kazerouni, Kaitlyn Wells, Dale Wilkerson  
Faculty Liaison: Adriane Irwin, Pharm.D.

#### Second-Place Team: University of Michigan College of Pharmacy

Proposal Title: The Effects of the Pharmacy-Run Intensive Education in Diabetes (PhRIEND) Initiative on Hypoglycemia  
Student Team Members: Joseph English, Joseph Haroney, David Schapiro  
Faculty Liaison: Michael Dorsch, Pharm.D., M.S., FCCP, BCCP

#### Third-Place Team: Cedarville University School of Pharmacy

Proposal Title: Pharmacist-Led Thyroid Point-of-Care Testing and Management in Type 2 Diabetics  
Student Team Members: Brianne Potter, Nicole Stute, Rachael Tollerton  
Faculty Liaison: Zachary Jenkins, Pharm.D.

These three teams have been invited to present their research design during the Scientific Poster Sessions at the 2019 ACCP Annual Meeting in New York City. Please stop by to meet the winning teams and view their proposal designs.



## PRN MEMBERSHIP TOTALS

PRACTICE AND RESEARCH NETWORKS	TOTAL
Ambulatory Care PRN	2054
Adult Medicine PRN	1005
Cardiology PRN	1177
Central Nervous System PRN	244
Clinical Administration PRN	434
Critical Care PRN	2076
Drug Information PRN	264
Education and Training PRN	553
Emergency Medicine PRN	981
Endocrine and Metabolism PRN	280
Geriatrics PRN	297
GI/Liver/Nutrition PRN	180
Global Health PRN	140
Health Outcomes PRN	184
Hematology/Oncology PRN	702
HIV PRN	226
Immunology/Transplantation PRN	493
Infectious Disease PRN	1972
Nephrology PRN	175
Pain and Palliative Care PRN	294
Pediatrics PRN	861
Perioperative Care PRN	118
Pharmaceutical Industry PRN	231
Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN	316
Pulmonary PRN	78
Women's Health PRN	216
<b>TOTAL:</b>	<b>15,551</b>

## PRN INCOMING CHAIRS CONTACT INFORMATION

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

PRACTICE AND RESEARCH NETWORKS	PRN CONTACT
Adult Medicine	<a href="#"><u>Ryan Owens, Pharm.D., BCPS</u></a>
Ambulatory Care	<a href="#"><u>Gregory Castelli, Pharm.D., BCPS, BC-ADM</u></a>
Cardiology	<a href="#"><u>James C. Coons, Pharm.D., BCPS-AQ</u></a>
Central Nervous System	<a href="#"><u>Ashley M. McCormick, Pharm.D., BCPS</u></a>
Clinical Administration	<a href="#"><u>Cynthia A. Brasher, Pharm.D., M.S., BCPS</u></a>
Critical Care	<a href="#"><u>Jeffrey Fong, Pharm.D., BCPS</u></a>
Drug Information	<a href="#"><u>Rena Gosser, Pharm.D., BCPS</u></a>
Education and Training	<a href="#"><u>Erica F. Crannage, Pharm.D., BCPS, BCACP</u></a>
Emergency Medicine	<a href="#"><u>Molly (Mason) Howell, Pharm.D., BCPS, BCCCP</u></a>
Endocrine and Metabolism	<a href="#"><u>Diana Isaacs, Pharm.D., BCPS, BC-ADM, CDE</u></a>
Geriatrics	<a href="#"><u>Kalin M. Clifford, Pharm.D., BCPS, BCGP</u></a>
GI/Liver/Nutrition	<a href="#"><u>Maria Sheridan, Pharm.D., BCNSP</u></a>
Global Health	<a href="#"><u>Susie J. Crowe, Pharm.D.</u></a>
Health Outcomes	<a href="#"><u>Erin Weeda, Pharm.D., BCPS</u></a>
Hematology/Oncology	<a href="#"><u>Justin R. Arnall, Pharm.D., BCOP, CPP</u></a>
HIV	<a href="#"><u>Thomas Chiampas, Pharm.D., BCPS, AAHIVP</u></a>
Immunology/Transplantation	<a href="#"><u>Lyndsey Bowman, Pharm.D.</u></a>
Infectious Diseases	<a href="#"><u>Whitney Jones Nesbitt, Pharm.D., BCPS</u></a>
Nephrology	<a href="#"><u>Calvin Meaney, Pharm.D., BCPS</u></a>
Pain and Palliative Care	<a href="#"><u>Kathryn Anne Walker, Pharm.D., BCPS, CPE</u></a>
Pediatrics	<a href="#"><u>Kirsten Ohler, Pharm.D., BCPS, BCPPS</u></a>
Perioperative Care	<a href="#"><u>Eric Johnson, Pharm.D.</u></a>
Pharmaceutical Industry	<a href="#"><u>Brian Faley, Pharm.D., BCPS</u></a>
Pharmacokinetics/Pharmacodynamics/Pharmacogenetics	<a href="#"><u>Roseann S. Gammal, Pharm.D., BCPS</u></a>
Pulmonary	<a href="#"><u>Lori Wilken, Pharm.D., BCACP, AE-C, TTS</u></a>
Women's Health	<a href="#"><u>Kylie N. Barnes, Pharm.D., BCPS</u></a>