

PRESIDENT'S COLUMN

E Pluribus Unum



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ACCP has 26 Practice and Research Networks (PRNs), and there are episodic requests to create new PRNs that might better represent focused-interest groups of members. This attests to the

different interests of the ACCP membership; however, it also sometimes leads to perceptions of favoritism or bias toward particular groups when ACCP focuses on various initiatives related to its strategic plan. For example, in the current version of the strategic plan released in 2017, two of three ACCP priorities and several objectives deal with comprehensive medication management (CMM), precision medicine, and pharmacogenomics. In addition, ACCP and the ACCP Research Institute (now the ACCP Foundation) funded a \$2.4 million grant to study CMM in primary care medical practices, and the ACCP Medicare Coverage Initiative refers to the need for CMM under Medicare Part B. At first, these initiatives appear to favor selected groups within ACCP, particularly the Ambulatory Care, Central Nervous System, Hematology/Oncology, and Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRNs. However, on closer examination, the initiatives apply broadly to the ACCP membership at-large.

With respect to CMM, although Strategic Direction 2.1 of ACCP's strategic plan does, in fact, intend to "drive the implementation of CMM as an essential component of medication optimization," objectives under this direction include "implementation of CMM practice in any patient care setting" and "establishing collaborations between clinical pharmacists and community pharmacists/

pharmacies that achieve medication optimization." Furthermore, in response to frequently asked questions about the ACCP Medicare Coverage Initiative, ACCP's Policy, Practice, & Government affairs staff point out, "New models of health care payment and delivery in the inpatient environment that are now emerging could well make this initiative of equal or greater importance to inpatient practitioners in the future." Similarly, ACCP's initiatives related to precision medicine and pharmacogenomics have implications beyond any specific PRN(s). The NIH, and more specifically the Precision Medicine Initiative, defines precision medicine as "an emerging approach for disease treatment and prevention that takes into account individual variability in genes, environment, and lifestyle for each person." Furthermore, the NIH defines pharmacogenomics as the "study of how genes affect a person's response to drugs." Although the day-to-day application of precision medicine and pharmacogenomics in the clinical setting may currently be limited to certain specialty practice areas, it seems difficult to argue that this won't be important to all clinical pharmacists sometime in the future.

Earlier in my career, I had a leadership role in bringing together several diverse specialty groups in an organization to find a common purpose while recognizing and addressing the unique concerns of each group. At the time, I suggested the motto of the United States as the unifying theme – *E pluribus unum*: out of many, one. I think the motto has relevance for the diverse membership of ACCP as the College implements its strategic plan. I believe that efforts to achieve the objectives listed in the strategic plan address the needs of individual members and PRNs or other ACCP groups interested in advancing clinical pharmacy. Ultimately, however, all actions should be consistent with the College's mission, which is to improve human health by extending the frontiers of clinical pharmacy.

CLINICAL PHARMACY IN ACTION

ACCP Members Respond to the COVID-19 Pandemic



Clinical pharmacists are making a difference during the pandemic. Tell us how you are involved in COVID-related practice, research, education, or leadership.

SHARE YOUR STORY



PRNS PREPARE FOR ELECTIONS

Introduction

It is time for the PRNs to determine who will serve as officers in the coming year. If you are interested in being a PRN officer or in nominating someone, please contact your PRN's chair.

Election Process

The Nominations Committee will consist of at least two individuals appointed by each PRN's chair. These individuals may be the PRN's current elected officers. Those who are on a PRN's Nominations Committee will be ineligible to run for office in that PRN's election that year. The Nominations Committee should prepare a slate of candidates and provide each candidate with information related to election procedures. The Nominations Committee should also provide a timeline and list of expected duties.

When possible, two or three candidates for each office shall be up for election. If only one candidate can be identified, an election will still be held, with voters given the option of identifying a write-in candidate. When there are more than three possible candidates, the PRN's Nominations Committee will be responsible for narrowing the slate to three candidates. The Nominations Committee will obtain a brief (250 words) biographical sketch and/or candidate statement from each candidate.

Voting

As in previous years, PRN elections will be held online, and PRN members will receive an e-mail from ACCP that outlines the voting procedure. Members will use their log-in and password to access the ACCP website. Each member will then be able to access the ballot for each PRN of which he or she is a current member.

As the election nears, members should review their e-mail and the ACCP website for further news about online voting.

2020 Election Timetable	
PRN call for nominations	March 2020
Submission of slates and candidate biographies to ACCP	June 5, 2020
Electronic balloting opens	July 13, 2020
Electronic balloting closes	August 14, 2020
Committee contact notified of results	August 18, 2020
Nominations Committee notifies all candidates of election results	August 24, 2020 (within 10 days of the election)
ACCP staff notifies new officers of PRN Officers Meeting and New Officer Orientation schedule at the Annual Meeting	September 2020

2020 BOARD PREPARATORY AND RECERTIFICATION PRODUCTS FOR HOME STUDY

ACCP will offer home study review and recertification courses in nine specialties in 2020:

- Pharmacotherapy
- Ambulatory Care Pharmacy*
- Cardiology Pharmacy*
- Critical Care Pharmacy
- Geriatric Pharmacy*
- Infectious Diseases Pharmacy*
- Oncology Pharmacy*
- Pediatric Pharmacy
- Solid Organ Transplantation Pharmacy*
(not available for recertification credit)

Developed by leading board-certified pharmacists and therapeutic specialists, each course delivers a comprehensive review of the domains outlined in the relevant specialty certification examination content outline developed by BPS. All courses use a case-based approach, covering all key content areas, with strong emphasis on the thought process needed to solve patient care problems in each therapeutic area. With the exception of the review course for Solid Organ Transplantation Pharmacy (which was only recently approved as a new specialty), each course is BPS-approved as one component in a professional development program that can be used as an alternative to the written recertification examination. Each course may only be completed for recertification credit up to two times, in non-consecutive years, during the 7-year recertification cycle.

2020 home study review and recertification courses will be released according to the following schedule:

Course	Availability for Preparatory Review	Available for BPS Recertification Credit	Anticipated Credit Hours
Pharmacotherapy Preparatory Review and Recertification Course	June 15, 2020	June 15, 2020	24.00
Ambulatory Care Preparatory Review and Recertification Course*	April 1, 2020	April 29, 2020	25.00
Cardiology Pharmacy Preparatory Review and Recertification Course*	June 24, 2020	June 24, 2020	25.50
Critical Care Pharmacy Preparatory Review and Recertification Course	June 15, 2020	June 15, 2020	20.00
Geriatric Pharmacy Preparatory Review and Recertification Course*	April 1, 2020	April 29, 2020	23.00
Infectious Diseases Pharmacy Preparatory Review and Recertification Course*	June 24, 2020	June 24, 2020	25.50
Oncology Pharmacy Preparatory Review and Recertification Course*	April 1, 2020	April 29, 2020	25.75
Pediatric Pharmacy Preparatory Review and Recertification Course	July 15, 2020	July 15, 2020	21.00
Solid Organ Transplantation Preparatory Review Course*	Summer 2020	Summer 2020	24.00

For more information on ACCP products, visit <https://www.accp.com/store/index.aspx>.

*ACCP collaborates with ASHP on ambulatory care pharmacy, cardiology pharmacy, geriatric pharmacy, infectious diseases pharmacy, oncology pharmacy, and solid organ transplantation pharmacy activities.

PRN NEWS BRIEFS

Adult Medicine PRN

Promotions

- **Alex Ebied:** Director of Interprofessional Education, High Point University Fred Wilson School of Pharmacy.
- **Sarah A. Nisly:** Professor, Wingate University School of Pharmacy.
- **Jeff Sherer:** Clinical Professor, University of Houston College of Pharmacy.

Awards

- **Erika Lambert Brechtelsbauer:** Patient Safety Award: "Beyond the Call of Duty," Emory University Hospital Midtown.
- **Jay L. Martello:** Award of Excellence in Experiential Education, American Association of Colleges of Pharmacy (AACCP).
- **Charles F. Seifert:** 2019 President's Excellence in Interprofessional Teamwork Award for the Impact Clinic for the development of Lubbock County Indigent Care Clinic, Texas Tech University Health Sciences Center.

Grants

- **Jennifer Austin Szwak:** University of Chicago Medicine, "Outpatient Principles in Addiction Training and Education (OPIATE) Initiative," Association of American Medical Colleges Curricular Innovation Award, \$2500.

Publications

- Greene R, Rogers R, **Adams K**, et al. Pharmacokinetics of flucytosine in a critically ill patient on continuous venovenous hemodiafiltration. *Am J Health Syst Pharm*. [In press]
- Lee C, **Austin Szwak J**, Bastow S, et al. Impact of a nurse-driven diabetic ketoacidosis insulin infusion calculator on the rate of hypoglycemia. *J Patient Saf* 2019. [Epub ahead of print]
- **Boylan PM**, Murzello A, Parmar J, et al. Integration of Latin American complementary and alternative medicine topics into a doctor of pharmacy curriculum and survey of student attitudes and behaviors. *J Med Educ Curric Dev* 2020;7:1-4.
- **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* 2020;36:3-9.
- **Ebied AM**, Nguyen DT, Dang T. Evaluation of occipital nerve blocks for migraines. *J Clin Pharmacol* 2020;60:378-83.

- **Ebied AM**, Patel KH, Cooper-DeHoff RM. New drugs approved in 2019. *Am J Med* 2020 Feb 18. [Epub ahead of print]
- Schwier NC, Cornelio CK, **Epperson TM**. Managing acute and recurrent idiopathic pericarditis. *JAAPA* 2020;33:16-22.
- Engle JP, Burke JM, Ashjian EJ, Avery L, Borchert JS, Faro SJ, Harris CS, Herink MC, Jain B, MacLaughlin EJ, **Martello JL**, et al. ACCP clinical pharmacist competencies: advocating alignment between student, resident, and practitioner competencies. *J Am Coll Clin Pharm* 2020;3:124-32.
- **Moore DC**, Elmes J, Shibu P, et al. Mogamulizumab: an anti-CC chemokine receptor 4 antibody for T-cell lymphomas. *Ann Pharmacother* 2020;54:371-9.
- **Moore DC**, Ringley JT, Nix D, et al. Impact of obesity on the incidence of bortezomib-induced peripheral neuropathy in patients with newly diagnosed multiple myeloma. *Clin Lymphoma Myeloma Leuk* 2020;20:168-73.
- Tran T, Arnall J, **Moore DC**, et al. Vonicog alfa for the management of von Willebrand disease: a comprehensive review and single-center experience. *J Thromb Thrombolysis* 2020 Jan 4. [Epub ahead of print]
- **Nisly SA**, Fillius AG, McClain D, et al. Oral antibiotics for the treatment of gram negative blood stream infections: a retrospective comparison of three classes. *J Glob Antimicrob Resist* 2020;20:74-7.
- **Nisly SA**, Sebaaly J, Fillius AG, et al. Changes in metacognition through self-evaluation during advanced pharmacy practice experiences. *Am J Pharm Educ* 2020;84:Article 7489.
- Brammer KE, Brennan L, Phan D, Payne L, Ali A, Davis SM, **Nisly SA**. Evaluation of a resident-led residency preparation series for fourth year pharmacy students. *Innov Pharm* 2019;10:Article 12.
- Isaacs AN, Walton AM, Gonzalvo J, Howard ML, **Nisly SA**. Pharmacy educator evaluation of web-based learning. *Clin Teach* 2019;16:630-5.
- Nguyen CT, Davis KA, **Nisly SA**, et al. Treatment of *Helicobacter pylori* in special patient populations. *Pharmacotherapy* 2019;39:1012-22.
- Steuber TD, **Nisly SA**, Gillette C. Grit in pharmacy faculty: a pilot analysis focused on productivity measures. *Curr Pharm Teach Learn* 2019;11:1029-34.
- Steuber TD, Howard ML, **Nisly SA**. Direct oral anticoagulants in chronic liver disease. *Ann Pharmacother* 2019;53:1042-9.
- Summers K, Davis KA, **Nisly SA**. Bleeding risk of therapeutic unfractionated heparin and low molecular weight heparin in patients with cirrhosis. *Clin Drug Investig* 2020;40:191-6.
- Horyna TJ, Jimenez R, McMurry L, Buscemi D,

Cherry B, **Seifert CF**. An evaluation of interprofessional patient navigation services in high utilizers at a county tertiary teaching health system. *J Healthc Manag* 2020;65:62-70.

- Shah S, Peng I, **Seifert CF**. A model to predict NAPLEX outcomes and identify students needing additional preparation. *Curr Pharm Teach Learn* 2019;11:810-7.
- **Smith SM**. Invaded by cancer, and the patient is me. *Innov Pharm* 2019;10:Article 16.
- **Smith SM**, Coleman M, Dolder CR. Evaluation of generational influences among 4th year pharmacy students and experiential preceptors. *Curr Pharm Teach Learn* 2019;11:888-94.
- Marler J, **Twilla JD**, Finch CK, et al. Severe ceftazidime-induced thrombocytopenia with rapid onset on rechallenge. *Ann Pharmacother* 2020;54:187-8.
- **Wietholter JP**, Maynor LM, Clutter JL. A correlation of student personality style and first year academic performance. *Am J Pharm Educ* 2020 Feb 4. [Epub ahead of print]
- Hill JB, **Wietholter JP**. Evaluation of risks versus benefits with concomitant use of budesonide nebulizers and systemic corticosteroids in COPD exacerbations. *Int J Med Pharm* 2019;7:1-5.
- Ilcewicz HN, Coetzee R, Taylor M, Piechowski K, Martello JL, **Wietholter JP**. Evaluation of pharmacy students' perceptions of clinical pharmacy in South Africa. *J Am Coll Clin Pharm* 2020 Feb 13. [Epub ahead of print]

New ACCP Fellows

- Jennifer Twilla

Other Notable Achievements

- **Alex Ebied**: American College of Clinical Pharmacy (ACCP) Research and Scholarship Academy Certificate.
- **Jennifer Twilla**: Fellow, Methodist University Hospital.

Ambulatory Care PRN

Promotions

- **Allison Helmer**: Associate Professor, Auburn University Harrison School of Pharmacy.
- **Cortney Mospan**: Associate Professor, Wingate University School of Pharmacy.
- **Mate Soric**: Chair, Department of Pharmacy Practice.
- **Daniel Touchette**: Co-Director, University of Illinois at Chicago Center for Pharmacoepidemiology and Pharmacoeconomic Research.

Awards

- **Rhianna Fink**: 2019 Next Generation Pharmacist Patient Care Provider Award, Pharmacy Times and Parata Health Systems.
- **Diana Isaacs**: 2020 Diabetes Care and Education Specialist of the Year, Association of Diabetes Care and Education Specialists (ADCES; formerly AADE).
- **Nathan Painter**: Excellence in Innovation Award, California Pharmacist Association.

Grants

- **Kajua Lor**: 2020 Clinical Translational Science Institute Traditional Pilot Award (\$50,000).
- **Cortney Mospan**: CPNP Foundation Defining the Future Grant Mentor (\$1500).
- **Daniel Touchette**: Institute for Clinical and Economic Review (\$425,000).

Publications

- Engle JP, Burke JM, **Ashjian EJ**, Avery L, **Borchert JS**, Faro SJE, Harris CS, Herink MC, Jain B, MacLaughlin EJ, Martello JL, Moore K, Rogers E, Smith WJ, **Stranges PM**. ACCP clinical pharmacist competencies: advocating alignment between student, resident, and practitioner competencies. *J Am Coll Clin Pharm* 2020;1-9.
- **Bzowycyk AS**, **Begert JE**. Diabetes, therapeutic inertia, and patients' medication experience. *Diabetes Spectrum* 2020;33:31-7.
- Carlson JJ, Walton SM, Basu A, Chapman RH, **Campbell JD**, McQueen RB, **Pearson SD**, **Touchette DR**, et al. Achieving appropriate model transparency: challenges and potential solutions for making value-based decisions in the United States. *Pharmacoeconomics* 2019;37:1321-7.
- Lo B, Bicket MC, **Carris NW**, et al.; National Academies of Sciences, Engineering, and Medicine. Framing Opioid Prescribing Guidelines for Acute Pain: Developing the Evidence. Washington, DC: National Academies Press, 2020.
- **Craddock K**, **Molino S**, **Stranges PM**, Suda KJ, Bleasdale SC, Radosta J, Kannampallil T, **Shapiro NL**, et al. The impact of educational interventions on antibiotic prescribing for acute upper respiratory tract infections in the ambulatory care setting: a quasi-experimental study. *J Am Coll Clin Pharm* 2020 Jan 17. [Epub ahead of print]
- **Fink RM**, Mooney EV, Saseen JJ, et al. A comparison of clinical pharmacist management of type 2 diabetes versus usual care in a federally qualified health center. *Pharm Pract* 2019;17:1618.
- Mitchell J, **Haag J**, Klavetter E, et al. Development and implementation of a team-based primary care

delivery model: challenges and opportunities. *Mayo Clinic Proc* 2019;94:1298-303.

- **Hager KD**, Kading M, O'Donnell C, et al. Bridging community mental health and primary care to improve medication monitoring and outcomes for patients with mental illness taking second generation antipsychotics – HDC/DFMC Bridge Project, phase 1: group concept mapping. *Prim Care Companion CNS Disord* 2019;2119m02452.
- **Hager KD**, Schlichte A, Frail CK. This is how I think: evaluation of a preceptor development webinar on incorporating the pharmacists' patient care process into experiential teaching. *Curr Pharm Teach Learn* 2019;11:1132-7.
- Sorensen TD, **Hager KD**, Schlichte A, et al. A dentist, pilot, and pastry chef walk into a bar ... why teaching PPCP isn't enough. *Am J Pharm Educ*. [In press]
- **Hutchison RW**. Storage, security, and disposal. *J Opioid Manag* 2019;15:353-4.
- **Ip EJ**, Doroudgar S, Lau B, et al. Anabolic steroid users' misuse of non-traditional prescription drugs. *Res Social Adm Pharm* 2019;15:949-52.
- Baumgartner L, **Ip EJ**, Sasaki-Hill D, et al. Implementation of mock acute care advance pharmacy practice experience simulations and an assessment rubric. *Am J Pharm Educ* 2019;83:1851.
- Cox C, **Isaacs D**. Why are we stuck? Therapeutic inertia in diabetes education. *Diabetes Spectrum* 2020;33:16-21.
- Leite KM, **Long AM**, Ostroff ML, et al. A review of the renoprotective effects of novel antidiabetic agents. *J Pharm Pract* 2020 Feb 18. [Epub ahead of print]
- Renfro C, Coulter D, **Ly L**, et al. Exploring pharmacy technician roles in the implementation of an appointment-based medication synchronization program. *Pharmacy* 2020;8:28.
- Mospan G, Gillette C, **Mospan CM**. Predictors of performance on the North Carolina multistate pharmacy jurisprudence examination. *Curr Pharm Teach Learn* 2020;12:35-40.
- Awdishu L, Singh RF, Saunders I, Yam FK, Hirsh JD, Lorentz S, Atayee RS, Ma JD, Tsunoda SM, Namba J, Mnatzaganian CL, **Painter NA**, et al. Advancing pharmacist collaborative care within academic health systems. *Pharmacy* 2019;7:142.
- Hsu A, **Painter NA**. Probable interaction between warfarin and inhaled and oral administration of cannabis. *J Pharm Pract* July 18, 2019.
- **Riccio KK**, Rawlins DB, Talbot JN, et al. Demonstration of smartphones as viable tools for adolescent substance use surveillance. *Subst Use Misuse* 2019 Dec 12. [Epub ahead of print]
- **Schumacher C**, **Van Dril E**. Planning and steps to building the ambulatory patient care practice model. In: Kliethermes MA, Brown TR, eds. *Building a Successful Ambulatory Care Practice: Advancing Patient Care*. Bethesda, MD: American Society of Health-System Pharmacists, 2019:41-79.
- **Silva Almodóvar A**, Nahata MC. Potentially harmful medication use among medicare patients with heart failure. *Am J Cardiovasc Drugs* 2020 Feb 21. [Epub ahead of print]
- Bingham J, **Silva Almodóvar A**, Lee H, et al. The role of the pharmacist in mental health: an investigation of the impact of pharmacist-led interventions on psychotropic medication adherence in patients with diabetes. *J Am Pharm Assoc* 2020 Jan 24. [Epub ahead of print]
- **Soric MM**. Study designs: fundamentals, interpretation, and research topics. In: Bernhardt MB, Blackmer A, Capparelli E, et al., eds. *Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course*. 2019 ed. Lenexa, KS: American College of Clinical Pharmacy, 2019:865-95.
- Flannery AH, **Soric MM**, Benavides S, et al. 2019 update to the American College of Clinical Pharmacy Pharmacotherapy Didactic Curriculum Toolkit. *J Am Coll Clin Pharm* 2019;3:455-64.
- 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]
- **Stauffer R**, Yancey A. Impact of a pharmacy driven transitions of care medication reconciliation following hospitalization. *J Pharm Technol* 2020;36:68-71.
- **Stranges PM**, Jackevicius CA, Anderson SL, Bondi DE, Danelich I, Englin EL, Hansen ML, Nys C, Patel RS, Phan H, **Philbrick AM**, Rager M, **Schumacher C**, et al. Role of clinical pharmacists and pharmacy support personnel in transitions of care. *J Am Coll Clin Pharm* 2020;3:532-45.
- Usmani SA, Reckenberg KA, Johnson O, **Stranges PM**, et al. Relative risk of adverse events and treatment discontinuations between older and non-older adults treated with antimuscarinics for overactive bladder: a systematic review and meta-analysis. *Drugs Aging* 2019;36:639-45.
- Agboola F, Atlas SJ, **Touchette DR**, et al. The effectiveness and value of esketamine for the management of treatment-resistant depression. *J Manag Care Spec Pharm* 2020;26:16-20.
- Caskey R, Moran K, **Touchette D**, et al. Effect of

comprehensive care coordination on Medicaid expenditures compared with usual care among children and youth with chronic disease: a randomized trial. *JAMA Netw Open* 2019;2:e1912604.

- Gor D, Gerber BS, Walton SM, Lee TA, Nutescu EA, **Touchette DR**. Antidiabetic drug use trends in patients with type 2 diabetes mellitus and chronic kidney disease: a cross-sectional analysis of the National Health and Nutrition Examination Survey. *J Diabetes* 2019 Oct 25. [Epub ahead of print]
- Gor D, Lee TA, Schumock GT, Walton SM, Gerber BS, Nutescu EA, **Touchette DR**. Adherence and persistence with DPP-4 inhibitors versus pioglitazone in type 2 diabetes patients with chronic kidney disease: a retrospective claims database analysis. *J Manag Care Spec Pharm* 2020;26:67-75.
- Kim K, **Touchette DR**, Cavallari LH, et al. Cost-effectiveness of strategies to personalize the selection of P2Y(12) inhibitors in patients with acute coronary syndrome. *Cardiovasc Drugs Ther* 2019;33:533-46.
- Rodriguez R, **Touchette DR**. Part II: statistics in practice: statistics overview. *J Am Coll Clin Pharm* 2019;3:554-9.
- Talon B, Perez A, Yan C, Alobaidi A, Zhang KH, Schultz BG, Suda KJ, **Touchette DR**. Economic evaluations of clinical pharmacy services in the United States: 2011-2017. *J Am Coll Clin Pharm* 2019 Dec 10. [Epub ahead of print]
- **Van Dril E, Wesling M, Dela Pena L, Schumacher C**. Advocating for the pharmacy profession through involvement in a type 1 diabetes day camp as a pharmacy residency learning experience. *J Am Pharm Assoc* 2019 Dec 31. [Epub ahead of print]
- Cho JC, **Wallace TD**, Yu FS. Pharmacy faculty and students' perceptions of standardized patients for objective structured clinical examinations. *Curr Pharm Teach Learn* 2019;11:1281-6.
- Mastel-Smith B, Garner J, Shoair O, Stocks E, **Wallace T**. Dementia care boot camp: interprofessional education for healthcare student. *J Interprof Care* 2019 Dec 13. [Epub ahead of print]
- Gaviola M, Atanda A, Howard M, **Yuet WC**. A systematic approach to team creation and peer evaluation in a large classroom setting. *Curr Pharm Teach Learn* 2019;11:1231-8.
- Gibson CM, **Yuet WC**. Racial and ethnic differences in response to anticoagulation: a review of the literature. *J Pharm Pract* 2019 Dec 26. [Epub ahead of print]

New ACCP Fellows

- **Christie Schumacher**: Midwestern University

Chicago College of Pharmacy.

Other Notable Achievements

- **Mandy Blackford**: Became a Board Certified Pharmacotherapy Specialist (BCPS).
- **Grace Earl**: President-Elect, New Jersey Pharmacists Association. Employed at Fairleigh Dickinson University, Clinical Associate Professor.
- **Cortney Mospan**: Became a Clinical Pharmacist Practitioner (CPP) in North Carolina.
- **Sarah Ochs**: First pharmacist in the country to be a Certified Specialist in Obesity and Weight Management (CSOWM).
- **Theresa Prosser**: Completed certificate in Bioethics.
- **Christie Schumacher**: Became a Board Certified Cardiology Pharmacist (BCCP).
- **Liz Van Dril**: Became a Board Certified Ambulatory Care Pharmacist (BCACP).
- **Megan Wesling**: Became a Board Certified Ambulatory Care Pharmacist (BCACP).

Cardiology PRN

Promotions

- **Tien Ng**: Full Professor of Clinical Pharmacy and Medicine at the University of Southern California.
- **Lydia Tran**: Senior Clinical Pharmacy Specialist, Heart and Vascular Services, Yale New Haven Hospital, New Haven, Connecticut.

Awards

- **Amy Brewster**: Cardiology PRN Seed Grant: "Impact of Pharmacy Transitional Care Activities on Heart Failure Readmission Rates."
- **Leo Buckley**: 2019 Foundation Futures Grant Junior Investigator Award.
- **Bailey Colvin**: ACCP Travel Award.
- **Catherine G. Derington**: Cardiology PRN outstanding paper: Association of Total Medication Burden with Intensive and Standard Blood Pressure Control and Clinical Outcomes: A Secondary Analysis of SPRINT. *Hypertension* 2019;74:267-75.
- **Michael P. Dorsch**: Cardiology PRN Mentoring Award.
- **Hannah Hecht**: ACCP Travel Awards.
- **Andrew Jatis**: 2019 Foundation Futures Grant Student Investigator Award.
- **Douglas L. Jennings**: Cardiology PRN Clinical Practice Award.
- **Julie Johnson**: Paul F. Parker Medal for Distinguished Service to the Profession of Pharmacy.
- **Jason Karnes**: ACCP New Investigator Award: "Cardiovascular Pharmacogenomics to Predict

Adverse Drug Reactions: Heparin-Induced Thrombocytopenia and Beyond.”

- **Kazuhiko Kido:** Cardiology PRN Seed Grant: “Evaluating Direct Oral Anticoagulants in Morbidly Obese Patients with Atrial Fibrillation.”
- **Robert B. Parker:** Cardiology PRN Service Award.
- **Sarah A. Spinler:** Cardiology PRN Lifetime Achievement Award.
- **Jared Van Hooser:** Teacher of the Semester, University of Minnesota College of Pharmacy, Fall 2019, Class of 2022.
- **Benjamin Van Tassell:** Cardiology PRN Distinguished Investigator Award.

Grants

- **William L. Baker** (Co-Investigator): “Utility of the Intersocietal Accreditation Commission’s Quality Improvement Tool to Reduce Patient Radiation Exposure within U.S. SPECT Laboratories.” Intersocietal Accreditation Commission (\$39,000).
- **Jim Coons:** “Implementation Science, Non-Valvular Atrial Fibrillation Collaborative Project,” Pfizer. Role: Principal Investigator; 2019–2021.
- **Katherine E. Di Palo** (Primary Investigator): “Real-World Effectiveness of Patiromer as an Acute Hyperkalemia Therapy Within a Tertiary Care Setting. Investigator-Initiated Study.” Awarded \$40,700 grant from Vifor Pharma.
- **James E. Tisdale** (Co-Principal Investigator): “Phenotypic Characterization of Menopausal Palpitations.” Indiana CTSI Collaboration in Translational Research Grant. Funded 2020–2021 (\$72,765).

Publications

- **Atallah B,** Khaddage R, Sadik ZG, et al. Lipid control post coronary artery bypass graft: one year follow-up of a Middle-Eastern cohort. *Global Heart* 2020;15:12.
- **Atallah B,** Sadik ZG, Osoble AA, et al. Establishing the first pharmacist-led heart failure medication optimization clinic in the Middle East Gulf Region. *J Am Coll Clin Pharm* 2020. [In press]
- Bader F, Mallah S, **Atallah B.** Choosing the best antithrombotic regimen in patients with ventricular assist devices. *Curr Opin Cardiol* 2020;35:162-9.
- **Baker WL,** Beyer-Westendorf J, Bunz TJ, et al. Effectiveness and safety of rivaroxaban and warfarin for prevention of major adverse cardiovascular or limb events in nonvalvular atrial fibrillation patients with type 2 diabetes. *Diabetes Obes Metab* 2019;21:2107-14.
- Alvarez C, Cronin EC, **Baker WL,** et al. Heart failure as a substrate and trigger for

ventricular tachycardia. *J Interv Card Electrophysiol* 2019;56:229-47.

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- Coleman CI, Weeda ER, Kharat A, Bookhart B, **Baker WL.** Impact of angiotensin-converting enzyme inhibitors or angiotensin receptor blockers and mortality outcomes in patients with type 2 diabetes and proteinuria. *Diabetes Med* 2020;37:44-52.
- Martinez BK, **Baker WL,** Konopka A, Giannelli D, Coleman CI, Kluger J, Cronin EM. Systematic review and meta-analysis of catheter ablation of ventricular tachycardia in ischemic heart disease. *Heart Rhythm* 2020;17:e206-19.
- Abbate A, Trankle CR, **Buckley L,** Lipinski MJ, Appleton D, Kadariya D, Canada JM, Carbone S, Roberts CS, Abouzaki N, Melchior R, Christopher S, Turlington J, Mueller G, Garnett J, Thomas C, Markley R, **Wohlford G,** Puckett L, de Chazal HM, Chiabrando JG, Bressi E, Del Buono MG, Schatz A, **Dixon DL,** Biondi-Zoccai GG, Kontos MC, **Van Tassell BW.** Interleukin-1 blockade inhibits the acute inflammatory response in patients with ST-segment-elevation myocardial infarction. *J Am Heart Assoc* 2020;9:e014941.
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Health-System Pharmacists, 2019:41-79.

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- **Van Hooser JC**, Rouse KL, Meyer ML, et al. Knowledge of heart attack and stroke symptoms among US Native American adults: a cross-sectional population-based study analyzing a multi-year BRFSS database. *BMC Public Health* 2020;20:40.
- Del Buono MG, Bonaventura A, Vecchié A, **Wohlford GF, Dixon DL, Van Tassel BW**, et al. Sacubitril-valsartan for the treatment of heart failure: time for a paragon? *J Cardiovasc Pharmacol* 2020;75:105-7.

New ACCP Fellows

- Douglas C. Anderson Jr
- Craig Beavers
- Brent N. Reed
- Christie Schumacher
- Lisa Hall Zimmerman

Other Notable Achievements

- **Jim Coons**: Designated as a Fellow of the American College of Cardiology.
- **Robert J. DiDomenico**: Appointed to Board of Pharmacy Specialties Research Committee.
- **Katherine E. Di Palo**: Designated as a Fellow of the American Heart Association and the Heart Failure Society of America.
Academic appointment – Assistant Professor of Clinical Medicine, Albert Einstein College of Medicine.
Chair – Council on Clinical Cardiology Clinical Pharmacology Committee, American Heart Association.

- **Dave Dixon**: Appointed Section Editor, *Journal of Cardiovascular Pharmacology*.
Appointed Associate Editor, *Journal of the American Pharmacists Association*.
- **Cait Gibson**: Appointed to BPS Cardiology Council for 2020–2022.
- **Vicki Groo**: Elected to ACC CV Team State Liaison for Illinois.
- **Tien Ng**: Selected to receive the University of Southern California 2020 Associates Award for Excellence in Teaching (only two awarded annually university-wide).
- **James E. Tisdale**: Appointed Consulting Editor (Cardiovascular), Pharmacological Research.
Reappointed to 3-year term, Electrophysiology Section Leadership Council, American College of Cardiology.
- **Barbara Wiggins**: Editorial Board – *American Journal of Cardiovascular Drugs* – 2020.
ACC Cardiovascular Management Section Leadership Council – 2020.
- **Lydia Tran**: Senior Clinical Pharmacy Specialist, Heart and Vascular Services, Yale New Haven Hospital, New Haven, Connecticut.
Second Vice President, Executive Board Member of the Connecticut Pharmacists Association.

Board Certified Cardiology Pharmacists

- Vicki Groo
- Christie Schumacher
- Thomas Szymanski

Presentations

- Magee C, Spiegel M, **Wiggins BS**, Lim M. Clopidogrel-induced thrombotic thrombocytopenic purpura with successful transition to ticagrelor. Society of Critical Care Medicine Critical Care Congress; February 16-19, 2020; Orlando, FL.
- Weithorn E, **Wiggins BS**, Magee C. Evaluation of direct oral anticoagulants (DOACs) in patients greater than or equal to 120 kg. Presented at: American College of Cardiology Annual Meeting; 2020; Chicago, IL.

Central Nervous System PRN

Awards

- **James Cloyd**: 2020 recipient of the American Pharmacists Association (APhA) Tyler Prize for simulation of research.

Publications

- Kapur J, Elm J, Chamberlain J, Barsan W, **Cloyd J**, et al. Randomized trial of three anticonvulsant medications for status epilepticus. *N Engl J Med* 2019;381:2103-13.
- **Nguyen VH**, Dergalust S. Epilepsy. In: Munyer T, ed. *Pharmacotherapy First*, 1st ed. Washington, DC: APhA, 2019.
- Delgado-Escueta AV, Serratosa JM, Bailey JN, **Nguyen VH**. Genetic tests in epilepsy. In: Bureau M, Genton P, Dravet C, et al., eds. *Epileptic Syndromes in Infancy, Childhood, and Adolescence*, 6th ed. New York, 2019.
- Chen JX, Pavon DL, **Peckham AM**. The crossroads of opioid use disorder, antimicrobial stewardship, and infection control: 5 things for pharmacists to know about harm reduction. *IDSTEWARxDSHIP.com*, 2019.
- 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.
- Storjohann T, Pogge E, **Peckham A**, et al. Evaluation of a peer- and self-grading process for clinical writing assignments. *Curr Pharm Teach Learn* 2019;11:979-86.

Presentations

- Discua D, Duron RM, Arias C, Patterson C, **Nguyen VH**, et al. Using data mining tools, microservices architecture and artificial intelligence modules for the “Juvenile Myoclonic Epilepsy JME-1000 Project.” Abstract 4656. Poster presented at: American Academy of Neurology 71st Annual Meeting; 2019; Philadelphia, PA.
- Silva R, Duron RM, Flores W, Siriani Y, **Nguyen VH**, et al. Progressive myoclonus epilepsy of Lafora first diagnosed in El Salvador. Abstract 4578 Poster presented at: American Academy of Neurology 71st Annual Meeting; 2019; Philadelphia, PA.
- Tanaka M, Martinez-Juarez IE, Duron RM, **Nguyen VH**, et al. Autophagy in juvenile myoclonic epilepsy. Abstract 3.02. Poster presented at: American Epilepsy Society Annual Meeting; 2019; Baltimore, MD.
- **Peckham AM**. Harm reduction and medications for opioid use disorder [podium presentation]. Presented at: Beth Israel Deaconess Medical Center Infectious Disease Conference on

Research, Education, and Science; December 2019; Boston, MA.

- **Peckham AM**. The pharmacist’s role in increasing treatment access for patients with opioid use disorder [podium presentation]. Presented at: Massachusetts General Hospital Pharmacy Week; October 2019; Boston, MA.
- Evoy KE, Leonard CE, Covvey JR, **Peckham AM**, et al. MeRIT project: substance use disorder counseling among those taking opioid analgesics – an analysis of NAMCS data. Poster presented at: American College of Clinical Pharmacy; 2019 Annual Meeting; New York City.
- Patel J, **Peckham AM**. Use of buprenorphine injection following a “Bernese method” induction in a low threshold treatment program for a patient with substance use disorder: a case report. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2019; Las Vegas, NV.

Other Notable Achievements

- **Alyssa Peckham**: Served as expert panelist in substance use disorders as part of Northeastern University’s Bouvé College of Health Sciences Health in Translation Event; January 2020; Boston, MA.

Clinical Administration PRN

The Clinical Administration PRN has been developing current and future leaders through its programming. The Student and Resident Committee hosted its annual HSPA residency webinar and a presentation focused on networking at large meetings. The PRN is currently developing a journal club around administrative and leadership topics, spotlights on the variety of jobs in administration, and educational development guidance for staff pharmacists.

Promotions

- **Lindsay Arnold**: Assistant Professor of Medicine, Tufts University School of Medicine.
- **Cindy Brasher**: Manager of Compounding, St. Jude Children’s Research Hospital.

Publications

- Engle JP, **Dick TB**, Bryant G, et al. Credentialing and privileging for clinical pharmacists. *J Am Coll Clin Pharm* 2020;3:133-44.
- **Vest TA**, Gazda NP. Develop productivity metrics. *Pharmacy Purchasing and Products* 2019;16:48.

Critical Care PRN

Promotions

- **Christine Groth:** Clinical Pharmacy Coordinator- Adult Critical Care and Emergency Medicine, University of Rochester Medical Center.
- **Md Jahidul Hasan:** Coordinator of Clinical Pharmacy Services, Department of Pharmacy, Square Hospitals Ltd.
- **Mojdeh Heavner:** Vice Chair of Clinical Pharmacy Services, University of Maryland.
- **Diana (Gritsenko) Lemieux:** Clinical Pharmacy Specialist, Yale New Haven Hospital.
- **Martin Ohlinger:** Distinguished University Lecturer, University of Toledo College of Pharmacy and Pharmaceutical Sciences.
- **Megan Rech:** Research Coordinator, Department of Emergency Medicine, Loyola University Medical Center.
- **Joshua Robinson:** Academic Appointment – Assistant Clinical Professor of Pharmacy at UCSF School of Pharmacy.

Awards

- **Elizabeth Beckman:** Presidential Citation Award, Society of Critical Care Medicine.
- **Sarah Blackwell:** Service Award, Alabama Society of Health-System Pharmacists.
- **Stacey Campbell:** 2019 ACCP Critical Care PRN Clinical Practitioner Award.
- **Chris Droege:** 2019 ACCP Critical Care PRN Mentor of the Year Award.
- **Sonia Everhart:** Presidential Citation Award, Society of Critical Care Medicine.
- **Alex Flannery:** Rho Chi Alumni Award.
- **Carrie Griffiths:** Presidential Citation Award, Society of Critical Care Medicine.
- **Christine Groth:**
Two Star Research Award Certificates of Achievement, Society of Critical Care Medicine.
Presidential Citation Award, Society of Critical Care Medicine.
2019 Adult Critical Care Excellence in Leadership Award, University of Rochester Medical Center.
- **Curtis Haas:** 2019 ACCP Critical Care PRN Achievement Award.
- **Leslie Hamilton:** Presidential Citation Award, Society of Critical Care Medicine.
- **Drayton Hammond:**
Star Research Award Certificate of Achievement, Society of Critical Care Medicine.
2019 ACCP Critical Care PRN Junior Investigator Award.
- **Mojdeh Heavner:** Presidential Citation Award,

Society of Critical Care Medicine.

- **Judith Jacobi:** Distinguished Service Award, SCCM-CPP Section.
- **Todd Miano:** Presidential Citation Award, Society of Critical Care Medicine.
- **Scott Mueller:** 2019 ACCP Critical Care PRN Education Award.
- **Megan Rech:**
Silver Star Research Award Certificate of Achievement, Society of Critical Care Medicine.
Presidential Citation Award, Society of Critical Care Medicine.
2019 ACCP Critical Care PRN Research Award.
- **Joshua Robinson:** Apple Award for Preceptor of Excellence, UCSF School of Pharmacy.
- **Melanie Smith:** 2019 ACCP Critical Care PRN Publication of the Year Award.

Grants

- **Nicole Acquisto/Christine Groth:** 2019 NYS ACCP Research Grant: "Pharmacists as Members of an Interdisciplinary Pulmonary Embolism Response Team (PERT)."
- **Erin Barreto:**
National Institute of Allergy and Infectious Diseases (K23 AI 143882): "Beta-Lactam Individualization for Critically Ill Patients."
American Society of Health-System Pharmacists: "Use of Nephrotoxic Drugs in AKI Survivors at Transitions of Care: Risk for Chronic Kidney Disease."
Mayo Clinic Midwest Clinical Practice Committee Innovation Award for "AKI Survivorship Pilot-A Multiprofessional Approach to Care Transitions."
- **Scott Bolesta:** Wilkes University Provost Research and Scholarship Grant: "Assessing Current Analgesia and Sedation Weaning Practices in Adult Critically Ill Patients."
- **Todd Miano:** Penn Center for Precision Medicine Implementation Grant: "Development and Implementation of a Personalized Dosing Algorithm for Tacrolimus Immunosuppression After Lung Transplantation."
- **Susan Smith:** AACP New Investigator Award.

Publications

- Wright C, Elbadawi A, Chen YL, Mazzillo J, Delehanty J, Patel D, **Acquisto NM, Groth CM**, 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.
- **Barreto EF, Nemecek BD.** Renal disease and renal replacement therapy overview. In: Nemecek BD, Hammond DA, eds. *Demystifying Drug Dosing*

- in Renal Dysfunction. Bethesda, MD: American Society of Health-System Pharmacists, 2019:1-14.
- Barreto JN, Piche SL, Hogan BM, **Barreto EF**. Effect of a multimodal multidisciplinary training program on pharmacy residents' knowledge and confidence toward research and biostatistics. *Curr Pharm Teach Learn* 2020;12:20-6.
 - Kurani S, Hickson LJ, Thorsteinsdottir B, **Barreto EF**, et al. Supplement use by US adults with CKD: a population-based study. *Am J Kidney Dis* 2019;74:862-5.
 - Kurani S, Jeffery MM, Thorsteinsdottir B, Hickson LJ, **Barreto EF**, et al. Use of potentially nephrotoxic medications by U.S. adults with chronic kidney disease: NHANES, 2011-2016. *J Gen Intern Med* 2019 Dec 2. [Epub ahead of print]
 - Lam SW, **Barreto EF**, Scott R, et al. Cost-effectiveness of second-line vasopressors for the treatment of septic shock. *J Crit Care* 2020;55:48-55.
 - Zhao Y, Seelhammer TG, **Barreto EF**, et al. Altered pharmacokinetics and dosing of liposomal amphotericin B and isavuconazole during extracorporeal membrane oxygenation. *Pharmacotherapy* 2020;40:89-95.
 - Lange NW, Salerno DM, **Berger K**, et al. Management of hepatic coagulopathy in bleeding and non-bleeding patients: an evidence-based review. *J Intensive Care Med* 2020 Feb 21. [Epub ahead of print]
 - Sigounas D, Moeini-Naghani I, Patsalides A, Greenberg E, **Berger K**, et al. Continuous intra-arterial infusion of verapamil for treatment of severe vasospasm after subarachnoid hemorrhage. *Interdiscip Neurosurg* 2019;19:100622.
 - **Berger K**, Goldstein JN, O'Meara AMI, Peacock S. Emergency neurologic life support: status epilepticus. *Neurocrit Care* 2019. [In press]
 - **Berger K**, Santibañez M, Lin L, et al. A low-dose 4F-PCC protocol for DOAC-associated intracranial hemorrhage. *J Intensive Care Med* 2019 Apr 14. [Epub ahead of print]
 - Shusterman M, Grassl N, **Berger K**, et al. Prolonged activated partial thromboplastin time after prophylactic-dose unfractionated heparin in the post-operative neurosurgical setting: case series and management recommendations. *J Thromb Thrombolysis* 2020;49:153-8.
 - Ellison CA, **Blackwell SB**. Acute hepatocellular injury associated with azithromycin. *J Pharm Pract* 2020 Jan 13. [Epub ahead of print]
 - **Buckley MS**, Knutson KD, Agarwal SK, et al. Clinical pharmacist-led impact on inappropriate albumin utilization and costs in the critically ill. *Ann Pharmacother* 2020;54:105-12.
 - Fitzmaurice MG, Wong A, Akerberg H, Avramovska S, Smithburger PL, **Buckley MS**, et al. Evaluation of potential drug-drug interactions in the intensive care unit: a systematic review and meta-analysis. *Drug Saf* 2019;42:1035-44.
 - **Cucci MD**, Benken ST. Blood pressure variability in the management of hypertensive emergency: a narrative review. *J Clin Hypertens* 2019;21:1684-92.
 - **Cucci M**, Wooten C, Fowler M, 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)* 2020;21:15-22.
 - **Flannery AH**, Jones GM. Providing for wellness in residency program directors [letter]. *Am J Health Syst Pharm* 2020;77:162-3.
 - **Flannery AH**, Moss M. Rescue neuromuscular blockade in ARDS should not be flat-dose. *Crit Care Med* 2019 Dec 17. [Epub ahead of print]
 - **Flannery AH**, Soric MM, Benavides S, et al. 2019 update to the American College of Clinical Pharmacy Pharmacotherapy Didactic Curriculum Toolkit. *J Am Coll Clin Pharm* 2019;3:455-64.
 - Gregory ER, Burgess DR, Cotner SE, VanHoose JD, **Flannery AH**, et al. Pharmacist survey: pharmacist perception of vancomycin area under the curve therapeutic drug monitoring. *J Pharm Pract* 2019 Aug 18. [Epub ahead of print]
 - Nichols DC, **Flannery AH**, Magnuson B, Cook AM. Prealbumin is associated with in-hospital mortality in critically ill patients. *Nutr Clin Pract* 2019 Sep 23. [Epub ahead of print]
 - **Groth CM**, Johnson A, Resendiz K, et al. Unique challenges of anticoagulation of pediatric patients. *Society of Critical Care Medicine Clin Pharm Pharmacol Newsl* 2019;19(suppl 5):2.
 - **Haan BJ**, Cadiz ML, Natavio AM. Efficacy and safety of vasopressin as first-line treatment of distributive and hemorrhagic shock states. *Ann Pharmacother* 2020;54:213-8.
 - **Hamilton LA**, Guarascio AJ. Tetracycline allergy. *Pharmacy (Basel)* 2019;7:104.
 - **Hamilton LA**, Suda KJ, Heidel RE, et al. The role of online learning in pharmacy education: a nationwide survey of student pharmacists. *Curr Pharm Teach Learn* 2020. [In press]
 - Bader MK, Blissitt PA, **Hamilton LA**, et al. Clinical Q&A: translating therapeutic temperature management from theory to practice. *Ther Hypothermia Temp Manag* 2019;9:163-5.
 - Fontaine GV, Der Nigoghossian C, **Hamilton LA**. Melatonin, ramelteon, suvorexant, and dexmedetomidine to promote sleep and prevent delirium in critically ill patients: a narrative review with practical applications. *Crit Care Nurs Q* 2020. [In press]

- Tatro HA, **Hamilton LA**, Peters C, et al. Identification of risk factors for refractory status epilepticus. *Ann Pharmacother* 2020;54:14-21.
- **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* 2020;54:5-13.
- **Hammond DA**, Peksa GD, **Rech MA**. Balanced crystalloids in sepsis: are we there yet? *Am J Respir Crit Care Med* 2020 Jan 23. [Epub ahead of print]
- **Hammond DA**, **Rech MA**. A “how-to” guide for effectively writing a publishable research manuscript. *J Am Coll Clin Pharm* 2019;1-7.
- **Hammond DA**, **Rech MA**. Cautions heeded: a call to action for evaluating pharmacists’ direct and indirect patient care activities [letter]. *J Am Coll Clin Pharm* 2020;3:546-7.
- **Hammond DA**, Swanson J, **Rech MA**. The effect of grit on postgraduate year-one pharmacy residents’ pursuit of additional training. *Curr Pharm Teach Learn*. [In press]
- **Hammond DA**, Swanson J, **Rech MA**. The effect of burnout on postgraduate year-one pharmacy residents’ pursuit of additional training. *J Am Coll Clin Pharm* 2020;1-8.
- Barlow BL, Barlow AP, **Hammond DA**. Identifying different types of professional relationships: are you my mentor? *Am J Health Syst Pharm*. [In press]
- Benken S, Madrzyk E, Chen D, Lopez J, Schmelzer D, Sessions Z, Patel G, **Hammond DA**. Hemodynamic effects of propofol and dexmedetomidine in septic patients without shock. *Ann Pharmacother*. [In press]
- Eudaley ST, Mihm AE, **Hammond DA**, et al. Characterization of clinical knowledge and problem-solving assessments employed in post-graduate year one (PGY1) pharmacy residency interviews. *Am J Health Syst Pharm*. [In press]
- Khan A, DeMott JD, Varughese C, **Hammond DA**. Effect of cefepime on neurotoxicity development in critically ill adults with renal dysfunction. *Chest*. [In press]
- **Hasan MJ**. The contribution of square hospital in the establishment of hospital pharmacovigilance in Bangladesh: a practice role model. *Stamford J Pharm Sci*. [In press]
- **Hasan MJ**. Drug use during pregnancy: safety matters. *Pharma World* 2019;11:92-6.
- **Hasan MJ**. Polymyxins nebulization over intravenous injection: pharmacokinetics and pharmacodynamics-based therapeutic evaluation. *J Pharm Res Int* 2018;25:1-10.
- **Hasan MJ**, Hosen MS, Bachar SC. The resistance growing trends of common gram-negative bacteria against the potential antibiotics: a study in Bangladesh. *Pharm Pharmacol Int J* 2019;7:114-9.
- **Hasan MJ**, Rabbani R, Bachar SC. Severe hypocalcemia increases the risk of thrombocytopenia in critically ill adult patients receiving teicoplanin. *Dhaka Univ J Pharm Sci* 2019;18:153-7.
- **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. Evaluation of the therapeutic effectiveness of polymyxin B versus colistin in carbapenem-resistant *Klebsiella pneumoniae*-associated bacteremia. *Dhaka Univ J Pharm Sci* 2019;18:209-15.
- **Hasan MJ**, Rabbani R, Bachar SC. Therapeutic specification of the last resort polymyxins: an intelligent approach. *Int J Infect* 2019;6:e96828.
- **Hasan MJ**, Rabbani R, Huq SMR. High dose eltrombopag in the effective and safe management of sepsis-associated thrombocytopenia in critically ill patients. *J Crit Care Med* 2019;5:123-9.
- **Hasan MJ**, Rabbani R, Huq SMR, et al. Tigecycline in CR-Kp associated VAP with high dose versus conventional dose: adverse events are the key superiority-determiner. *Adv Pharmacoepidemiol Drug Saf* 2019;8:227.
- **Hasan MJ**, Rabbani R, Huq SMR, et al. High dose tigecycline-induced mitochondrial dysfunction-associated acute metabolic acidosis: a retrospective study. *J Mol Genet Med* 2019;13:407.
- Hosen MS, Hasan MM, Islam MS, Raseduzzaman MM, Islam MT, Hossain MM, Nafiujjaman M, Nishat TR, **Hasan MJ**. Evaluation of knowledge and practice of handling chemotherapeutic agents by nurses: a multi-center study in Bangladesh. *Int J Commun Med Public Health* 2019;6:4175-80.
- **Jacobi J**. Glucose control and insulin therapy for critical illness hyperglycemia: into the 3rd decade. In: *Current Concepts in Adult Critical Care 2020*. Mount Prospect, IL: Society for Critical Care Medicine, 2020:97-112.
- **Jacobi J**. How do critical care pharmacists contribute to team-based care? In: Deutschman CS, Neligan PJ, eds. *Evidence-Based Practice of Critical Care*, 3rd ed. Philadelphia: Elsevier, 2020:612-7.
- **Jacobi J**. Perspectives on mentorship. *Crit Connect NewsI SCCM Summer* 2019.
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- 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;13:379-84.
- **Miano TA**, Flesch JD, Feng R, et al. Early tacrolimus concentrations after lung transplant are predicted by combined clinical and genetic factors and associated with acute kidney injury. *Clin Pharmacol Ther* 2020;107:462-70.
 - **Miano TA**, Yang W, Shashaty MGS, et al. The magnitude of the warfarin-amiodarone drug-drug interaction varies with renal function: a propensity-matched cohort study. *Clin Pharmacol Ther*. [In press]
 - Anderson BJ, Calfee CS, Liu KD, Reilly JP, Kanngelar KN, Shashaty MGS, Lazaar AL, Bayliffe AI, Gallop RJ, **Miano TA**, et al. Plasma sTNFR1 and IL8 for prognostic enrichment in sepsis trials: a prospective cohort study. *Crit Care* 2019;23:400.
 - Merkel A, Massey K, Bellamy C, **Miano T**, et al. Predictors of cisatracurium continuous infusion dose in acute respiratory distress syndrome. *J Pharm Pract* 2019 Nov 18. [Epub ahead of print]
 - **Minhaj FS**, Anderson BD, King JD, et al. Outcomes of acute exploratory pediatric lithium ingestions. *J Clin Toxicol* 2020 Jan 8. [Epub ahead of print]
 - **Minhaj FS**, Hoang-Nguyen M, Tenney A, et al. Evaluation of opioid requirements in the management of renal colic after guideline implementation in the emergency department. *Am J Emerg Med* 2019 Dec 23. [Epub ahead of print]
 - **Rech MA**. Oseltamivir for all: should it become an over-the-counter medication for influenza treatment? *Pharmacotherapy* 2020 Feb 12. [Epub ahead of print]
 - Colon Hidalgo D, Patel J, Masic D, Park D, **Rech MA**. Delayed vasopressor initiation is associated with increased mortality in patients with septic shock. *J Crit Care* 2020;55:145-8.
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 - Lamparter LE, **Rech MA**, Nguyen TM. Homeless patients tend to have greater psychiatric needs when presenting to the emergency department. *Am J Emerg Med* 2019 Nov 18. [Epub ahead of print]
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 - Peksa GD, Mokszycki RK, **Rech MA**, et al. Reversal of warfarin-associated major hemorrhage: activated prothrombin complex concentrate versus 4-factor prothrombin complex concentrate. *Thromb Haemost* 2020;120:207-15.
 - Saffaei D, Lovett S, **Rech MA**. New-onset seizure in patient medicated with bupropion for smoking cessation: a case report. *J Emerg Med* 2020 Jan 27. [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]
 - **Robinson JD**, Caruso TJ, Wu M, et al. Intraoperative methadone is associated with decreased perioperative opioid use without adverse events: a case-matched cohort study. *J Cardiothorac Vasc Anesth* 2020;34:335-41.
 - **Santibañez M**, Bunnell K, Harrington A, et al. Association between pharmacokinetic/pharmacodynamic derived predictions of efficacy and clinical outcomes in obese and non-obese patients with Enterobacteriaceae bloodstream infections. *Open Forum Infect Dis* 2019;6:ofz400.
 - Boylan PM, **Santibañez M**. Case report of upper gastrointestinal bleeding in a male patient taking rivaroxaban and megestrol acetate. *Sr Care Pharm* 2019;34:501-9.
 - 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* 2020;36:3-9.
 - Daniels C, **Santibañez M**. Diversity considerations in selecting a residency program. In: Caballero J, Benavides S, Clauson KA, eds. *Get the Residency: ASHP's Guide to Residency Interviews and Preparation*, 2nd ed. Bethesda, MD: American Society of Health-System Pharmacists, 2019:85-96.
 - **Smith SE**, Muir J, Kalabalik J. Procalcitonin in special patient populations: guidance for antimicrobial therapy. *Am J Health Syst Pharm* 2019. [In press]
 - **Smith SE**, Sikora Newsome A, Hawkins WA, et al. Teaching research skills to student pharmacists: a multi-campus, multi-semester applied critical care research elective. *Curr Pharm Teach Learn* 2019. [In press]
 - Jones TW, Finder S, Sikora Newsome A, **Smith SE**. Getting to the heart of the matter: what we know about fluid resuscitation in septic heart failure patients. *Crit Care Med* 2019. [In press]
 - Jones TW, Sikora Newsome A, **Smith SE**, Forehand C. Interprofessional shared decision-making: who is at the table? *Crit Care Med* 2020;48:e158-9.

- Newsome AS, **Smith SE**, Olney WJ, 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* 2020;3:47-56.
- Sikora Newsome A, Jones TW, **Smith SE**. Pharmacists are associated with reduced mortality in critically ill patients: now what? *Crit Care Med* 2019;47:e1036-7.
- Sikora Newsome A, **Smith SE** Author reply to "Significant correlation versus strength of correlation." *Am J Health Syst Pharm* 2019. [In press]

New Fellows

- **Teresa Allison**: FCCM – American College of Critical Care Medicine.
- **Heather Bullard**: FCCM – American College of Critical Care Medicine.
- **Jennifer Cole**: FCCP – American College of Clinical Pharmacy.
- **Sonia Everhart**: FCCM – American College of Critical Care Medicine.
- **Alex Flannery**: FCCM – American College of Critical Care Medicine.
- **Jaime Gray**: FCCM – American College of Critical Care Medicine.
- **Christine Groth**: FCCM – American College of Critical Care Medicine.
- **Drayton Hammond**: FCCM – American College of Critical Care Medicine.
- **Mojdeh Heavner**: FCCM – American College of Critical Care Medicine.
- **Lamis Karaoui**: FCCP – American College of Clinical Pharmacy.
- **Kimberly Levasseur-Franklin**: FCCM – American College of Critical Care Medicine.
- **Paul O'Donnell**: FCCM – American College of Critical Care Medicine.
- **Mona Patel**: FCCM – American College of Critical Care Medicine.
- **Megan Rech**: FCCM – American College of Critical Care Medicine.
- **Garrett Schramm**: FCCP – American College of Clinical Pharmacy.
- **Jeffery Spray**: FCCM – American College of Critical Care Medicine.
- **Todd Walroth**: FCCM – American College of Critical Care Medicine.
- **Lisa Hall Zimmerman**: FCCP – American College of Clinical Pharmacy.

Other Notable Achievements

- **Erin Barreto**: Chair, SCCM CPP Section.
- **Elizabeth Beckman**: Vice Chair, Education

- Committee – ACCP Pediatrics PRN.
- **Karen Berger**: DAL-Elect, ASHP Section of Clinical Specialists and Scientists Executive Committee; Member-at-Large, SCCM CPP Section.
- **Sarah Blackwell**: Council Director of Organizational Affairs, Alabama Society of Health-System Pharmacists.
- **Scott Bolesta**: Chair, SCCM Research Section.
- **Mitchell Buckley**: Chair, Practice Advancement Committee – SCCM CPP Section.
- **Stephen Chromi**: Director, NVSHP Public Relations.
- **Alex Flannery**: Chair-Elect, ACCP Critical Care PRN; Chair-Elect, Research and Scholarship Committee – SCCM CPP Section; Vice Chair, ACCP Research Affairs Committee; Editorial Board, *Annals of Pharmacotherapy*.
- **Jeffrey Fong**: Chair, ACCP Critical Care PRN.
- **Jeff Gonzales**: Chair-Elect, SCCM CPP Section.
- **Carrie Griffiths**: President, SCCM Carolina/Virginia Chapter; BPS Critical Care Council.
- **Christine Groth**: Chair, Recognition Committee – ACCP Critical Care PRN; Chair-Elect, Practice Advancement Committee – SCCM CPP Section.
- **Bradley Haan**: BCCCP.
- **Leslie Hamilton**: Secretary of Knowledge Management, AACP-Pharmacy Practice Section; Secretary/Treasurer, ACCP Critical Care PRN.
- **Drayton Hammond**: Member-at-Large, SCCM CPP Section.
- **Md Jahidul Hasan**: Program-Coordinator, Antimicrobial Stewardship Program (ASP), Square Hospitals Ltd, Dhaka, Bangladesh; Fellowship training course: International Course on Antibiotics and Resistance (ICARE), Annecy, France, from Institut Pasteur.
- **Mojdeh Heavner**: Associate Editor, *American Journal of Health-System Pharmacy*.
- **Diana (Gritsenko) Lemieux**: BCCCP; Committee Member, SCCM Accreditation and Learning Strategies Committee.
- **Kimberly Levasseur-Franklin**: PGY2 Critical Care Residency Program Director, Tufts Medical Center.
- **Jerika Nguyen**: BCCCP.
- **Joshua Robinson**: Founding Chair, Pediatric Pharmacy Association-Cardiology SIG.
- **Melissa Santibañez**: BCCCP; Chair, Membership Committee-SCCM Florida Chapter.
- **Susan Smith**: Chair-Elect, Communications Committee-SCCM CPP Section.
- **Zachary Smith**: PGY2 Critical Care Residency Program Director, Henry Ford Hospital.
- **Joanna Stollings**: Secretary/Treasurer, SCCM CPP Section.

Drug Information PRN

Grants

- **Ajna Hamidovic** (Principal Investigator): NIH/NIMH grant for “Late Luteal Phase Reactivity to Stress.” PHASE (Premenstrual Hormonal and Affective State Evaluation) Study. Grant R21MH119642. Project period: 09/26/2019 – 06/30/2021. University of Illinois at Chicago (\$439,725).

Publications

- Elias A, Pepin MJ, **Brown JN**. Adjunctive memantine for opioid use disorder treatment: a systematic review. *J Subst Abuse Treat* 2019;107:38-43.
- Jacob S, VanDeale MA, **Brown JN**. Treatment of Demodex-associated inflammatory skin conditions: a systematic review. *Dermatol Ther* 2019;32:e13103.
- Lee S, Sneed GT, **Brown JN**. Nitazoxanide-based treatments for *Helicobacter pylori*: a systematic review. *Infect Dis (Lond)* 2020 Jan 3. [Epub ahead of print]
- Smith KR, Bryan WE, Townsend ML, Randolph AE, Vanderman AJ, Woodard CL, **Brown JN**. Impact of prophylactic oseltamivir on INR in patients on stable warfarin therapy. *J Thromb Thrombolysis* 2020 Jan 2. [Epub ahead of print]
- Sneed GT, Lee S, **Brown JN**, et al. The role of pazopanib in non-clear cell renal cell carcinoma: a systematic review. *Clin Genitourin Cancer* 2019;17:419-24.
- **Nguyen CB**. The use of serious gaming to assess drug information skills. *J Am Coll Clin Pharm* 2020;3:473-7.
- **Nguyen CB**. The role of a pharmacist as a medical information specialist in the pharmaceutical industry. *Curr Pharm Teach Learn* 2020;12:127-31.
- **Phillips J**, Hanrahan C, **Brown JN**, **May D**, Britnell SR, **Ficzere C**. Guiding principles for evaluating tertiary health care resources: the A₂C₂QUIRE framework. *J Am Coll Clin Pharm* 2020;3:485-93.
- **Rodriguez R**, Koppen L, Patel YA, et al. Characteristics of shortage-related drug information requests and recommendations from a nationally serving drug information center. *Am J Health Syst Pharm* 2019;76:1900-2.
- **Rodriguez R**, Touchette D. In: Murphy JE, Lee MW, eds. *Pharmacotherapy Self-Assessment Program*, 2020 Book 1. Critical and Urgent Care. Lenexa, KS: American College of Clinical Pharmacy, 2020:221-5.
- **Rodriguez R**, Touchette DR. Part II: statistics in practice: statistics overview. *J Am Coll Clin Pharm* 2020;1-6.

Emergency Medicine PRN

Promotions

- **Megan Rech**: Research Coordinator; Department of Emergency Medicine, Loyola University Medical Center.

Awards

- **Tuqa Alkhateeb**: Star Research Achievement Award, Society of Critical Care Medicine. Trainee Travel Award, Midwest Clinical and Translational Research Meeting.
- **Megan Rech**: Presidential Citation Award, Society of Critical Care Medicine. Silver Star Research Award Certificate of Achievement, Society of Critical Care Medicine.

Grants

- **Rynn KO**: Rynn KO, Schriever C, Hayes A: Residency Expansion Grant. ASHP Foundation \$25,000, 2020. Rynn KO, Smith KE, Schaefer C, Hemenway A: “Investing in the Recruitment and Retention of Top Talent to the Profession of Pharmacy.” Community Foundation of Northern Illinois with support from the Dr. Louis and Violet Rubin Foundation \$38,870, 2018–2020.

Publications

- **Anderson GL**, Mattson AE, Brown CS, et al. Safety of parenteral ketorolac use for analgesia in geriatric emergency department patients. *Am J Emerg Med* 2019 Jun 6. [Epub ahead of print]
- **Anderson GL**, Olson OJ, Mannenbach MS, **Rudis MI**. Pediatric emergency department interventions of pharmacy residents. *Pediatr Emerg Care* 2020 Jan 20. [Epub ahead of print]
- **Anderson GL**, Osborn JL, Nei SD, et al. Comparison of in-hospital bleeding and cardiovascular events with high-dose bolus tirofiban and shortened infusion to short-duration eptifibatid as adjunctive therapy for percutaneous coronary intervention. *Am J Cardiol* 2019;123:44-9.
- Holder MC, **Bailey AM**, Baum RA, Justice SB, **Weant KA**. Assessment of dose capping phenytoin loading practices in the emergency department and the impact of an emergency medicine pharmacist. *J Am Coll Clin Pharm* 2019;2:633-7.
- Patel GP, **Hyland SJ**, **Birrer KL**, et al. Perioperative clinical pharmacy practice: responsibilities and scope within the surgical care continuum. *J Am Coll Clin Pharm* 2020;3:501-19.

- **Lamkin L**, Lindsey S, **Weant K**, et al. Implications of the presence of an emergency medicine pharmacist during critical care trauma patient resuscitation. *J Am Coll Clin Pharm* 2019;2:251-6.
- **Peksa GD**, Mokszycki RK, **Rech MA**, et al. Reversal of warfarin-associated major hemorrhage: activated prothrombin complex concentrate versus 4-factor prothrombin complex concentrate. *Thromb Haemost* 2020;120:207-15.
- Hammond DA, **Peksa GD**, **Rech MA**. Balanced crystalloids in sepsis: are we there yet? *Am J Respir Crit Care Med* 2020 Jan 23. [Epub ahead of print]
- **Rech MA**. Oseltamivir for all: should it become an over-the-counter medication for influenza treatment? *Pharmacotherapy* 2020 Feb 12. [Epub ahead of print]
- Colon Hidalgo D, Patel J, Masic D, Park D, **Rech MA**. Delayed vasopressor initiation is associated with increased mortality in patients with septic shock. *J Crit Care* 2020;55:145-8.
- Finn RM, Kule A, Young K, **Rech MA**. Impact of pre-admission vitamin D supplementation on mortality in septic patients [letter]. *J Intensive Care Soc* 2019 Dec 18. [Epub ahead of print]
- Hammond DA, Lam SW, **Rech MA**, et al. Balanced crystalloids versus saline in critically ill adults: a systematic review and meta-analysis. *Ann Pharmacother* 2020;54:5-13.
- Hammond DA, **Rech MA**. Cautions heeded: a call to action for evaluating pharmacists' direct and indirect patient care activities [letter]. *J Am Coll Clin Pharm* 2020;3:546-7.
- Hammond DA, **Rech MA**. A "how-to" guide for effectively writing a publishable research manuscript. *J Am Coll Clin Pharm* 2019;1-7.
- Hammond DA, Swanson J, **Rech MA**. The effect of grit on postgraduate year-one pharmacy residents' pursuit of additional training. *Curr Pharm Teach Learn* 2020;12:112-8.
- Hammond DA, Swanson J, **Rech MA**. The effect of burnout on postgraduate year-one pharmacy residents' pursuit of additional training. *J Am Coll Clin Pharm* 2019 Dec 25. [Epub ahead of print]
- Koch E, Lovett S, Nghiem T, Riggs RA, **Rech MA**. Shock index in the emergency department: utility and limitations. *Open Access Emerg Med* 2019;11:179-99.
- Lamparter LE, **Rech MA**, Nguyen TM. Homeless patients tend to have greater psychiatric needs when presenting to the emergency department. *Am J Emerg Med* 2019 Nov 18. [Epub ahead of print]
- Monzon B, Hegarty K, **Rech MA**. A knack for "NAC": treatment for heat stroke induced acute liver injury: a case report. *Am J Emerg Med* 2019 Nov 28. [Epub ahead of print]
- Saffaei D, Lovett S, **Rech MA**. New-onset seizure in patient medicated with bupropion for smoking cessation: a case report. *J Emerg Med* 2020 Jan 27. [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]
- **Thomas MC**. Simulation in pharmacy education. *J Am Coll Clin Pharm* 2019;2:608-9.
- Hall PD, Fish H, McBane S, Mercer J, Moreau C, Owen J, Policastri AA, Rattinger GB, Srivastava SB, **Thomas MC**, et al. The report of the 2018-2019 Professional Affairs Standing Committee: the role of educators in pharmacy practice transformation. *Am J Pharm Educ* 2019;83:7596.
- Covvey JR, Arya V, DiPietro Mager N, Gilman N, Herring M, Lukas S, Ochs L, **Waddington L**, eds. *Public Health in Pharmacy Practice: A Casebook*, 1st ed. Genesco, NY: Open SUNY Textbooks, 2020.
- Conliffe B, VanOpdorp J, VanArsdlae V, Brown J, **Weant K**, et al. Impact of an advanced pharmacy practice experience (APPE) student-run "Meds 2 Beds" and discharge counseling program on quality of care. *Hosp Pharm* 2019;54:314-22.
- Patanwala AS, **Weant KA**, **Acquisto N**. Feasibility of pharmacists to contribute to multicenter emergency medicine research. *J Am Coll Clin Pharm* 2019;2:681-5.
- Smith MN, Deloney L, Carter C, **Weant KA**, 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.
- **Yarbrough N**, Bloxam M, **Priano J**, **Louzon P**, Hunt LN, **Elfman J**. Pharmacist impact on sepsis bundle compliance through participation on an emergency department sepsis alert team. *Am J Emerg Med* 2019;37:762-3.

Other Notable Achievements

- **Megan Rech**: Fellow of the American College of Critical Care Medicine.

Endocrine and Metabolism PRN

Publications

- **Bzowycykj AS**, Aquilante CL, Cheng AL, et al. Leveraging the electronic medical record to identify predictors of non-attendance to a Diabetes Self-Management Education and Support (DSMES) program. *Diabetes Educ* 2019;45:544-52.

- **Dixon DL**, Salgado TM, Luther JM, et al. Medicare reimbursement policy for ambulatory blood pressure monitoring: a qualitative analysis of public comments to the Centers for Medicare & Medicaid Services. *J Clin Hypertens* 2019;21:1803-9.
- **Dixon DL**, Virani SS. Mortality reduction with PCSK9 inhibition: a case of cautious optimism [invited editorial]. *J Clin Lipidol* 2019;13:712-3.
- **Dixon DL**, Wohlford GF, Abbate A. Inflammation and hypertension: causal or not? [invited editorial]. *Hypertension* 2020;75:297-8.
- Bucheit J, Pamulapati LG, Carter NM, Malloy K, **Dixon DL**, et al. Oral semaglutide: a review of the first oral glucagon-like peptide-1 receptor agonist. *Diabetes Technol Ther* 2020;22:10-8.
- Del Buono MG, Bonaventura A, Vecchié A, Wohlford GF, **Dixon DL**, et al. Sacubitril-valsartan for the treatment of heart failure: time for a paragon? [invited editorial]. *J Cardiovasc Pharmacol* 2020;75:105-7.
- Gipson GT, Carbone S, Wang J, **Dixon DL**, et al. Impaired delivery of cholesterol effluxed from macrophages to hepatocytes by serum from CKD patients may underlie increased cardiovascular disease risk. *Kidney Int Rep* 2020;5:199-210.
- Jia X, Ramsey DJ, Rifai MA, Ahmed ST, Akeroyd JM, **Dixon DL**, et al. Impact of lipid monitoring on treatment intensification of cholesterol lowering therapies (from the Veterans Affairs Healthcare System). *Am J Cardiol* 2020;125:874-9.
- Lajthia E, Nadpara PA, **Dixon DL**, et al. Combination therapy of once-weekly glucagon like peptide-1 receptor agonists and dipeptidyl peptidase-4 inhibitors in type 2 diabetes: a retrospective case series. *Pharm Pract* 2019;17:1588.
- Robinson JG, Jayanna MB, Brown AS, Aspry K, Orringer C, Gill EA, Goldberg A, Jones LK, Maki K, **Dixon DL**, et al. Enhancing the value of PCSK9 monoclonal antibodies by identifying patients most likely to benefit. *J Clin Lipidol* 2019;13:525-37.
- Salgado TM, Patterson J, Bajaj S, Lajthia E, Zimmerman K, Fernandez-Llimos F, **Dixon DL**. Characterization of pharmacy practice research centers across the United States. *Res Social Adm Pharm* 2020;16:230-7.
- Wiggins BS, **Dixon D**, Bellone J, et al. Key articles and guidelines in the management of dyslipidemia: 2019 update. *J Pharm Pract* 2019 Aug 11. [Epub ahead of print]
- Longo SL, Ryan JM, Sheehan KB, **Reid DJ**, et al. B(12) smart about monitoring: an evaluation of vitamin B12 monitoring in patients on metformin in urban ambulatory care settings. *Pharm Pract* 2019;17:1499.
- Rose TN, Jacobs ML, **Reid DJ**, et al. Real-world impact on monthly glucose-lowering medication cost, HbA1c, weight, and polytherapy after initiating a GLP-1 receptor agonist. *J Am Pharm Asso* 2020;60:31-8.e1.
- **Schumacher C, Van Dril E**. Planning and steps to building the ambulatory patient care practice model. In: Kliethermes MA, Brown TR, eds. *Building a Successful Ambulatory Care Practice: Advancing Patient Care*. Bethesda, MD: American Society of Health-System Pharmacists, 2019:41-79.
- **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.

Posters

- **Benjamin T, Schumacher C**, Buros Stein A. Characterization of risk factors for genitourinary infections with sodium glucose cotransporter-2 inhibitors (CORGI-SGLT2i). Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2019; New York, NY.
- **Van Dril E, Schumacher C**, Kliethermes MA, **Borchert J**, et al. Workload evaluation of clinical pharmacists in the ambulatory care setting (WORK-AC). Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2019; New York, NY.

Other Notable Achievements

- **Mandy Blackford**: Board Certified Pharmacotherapy Specialist (BCPS).
- **Adam Bzowyckyj**: Tradition of Excellence Award at the University of Connecticut School of Pharmacy.
- **Diana Isaacs**: Pharmacist Representative to the American Diabetes Association (ADA) Professional Practice Committee.
- **Lara Kerwin**: Board Certified Ambulatory Care Pharmacist (BCACP).
- **Debra Reid**: Fellow of the American Association of Diabetes Educators (FAADE).
- **Christie Schumacher**: Board Certified Cardiology Pharmacist (BCCP); Fellow of the American College of Clinical Pharmacy (FCCP).
- **Liz Van Dril**: Board Certified Ambulatory Care Pharmacist (BCACP).
- **Megan Wesling**: Board Certified Ambulatory Care Pharmacist (BCACP).

Geriatrics PRN

Presentations

- **Gregory J. Hughes:** Puff path to lung injury: a case of lipid pneumonia due to e-cigarette or vaping product use-associated lung injury [poster]. (Also accepted as a finalist in the clinical vignettes category at the Society of Hospital Medicine's Annual Conference; April 15–18; San Diego, CA.)

Publications

- **Chen JJ.** Sports ministry. *Christianity Pharm* 2019;22:3-4.
- **Chen JJ.** Mountain shift. *Theology* 2019;122:439.
- **Chen JJ, Johannesmeyer H.** Gagné's nine events of instruction with active learning: teaching student pharmacists how to measure blood pressure. *J Pharm Pract* 2019 Sep 16. [Epub ahead of print]
- **Cauffield JS, Chen JJ.** Neurological conditions. In: Hume A, Orr K, eds. *Principles and Practice of Botanicals as an Integrative Therapy*. Boca Raton, FL: CRC Press. Taylor & Francis, 1st ed. 2019:203-20.
- **Clifford KM, Grelle J, Tawwater JC, et al.** Management of extended spectrum beta-lactamase producing Enterobacteriaceae urinary tract infections in the long-term care setting. *Sr Care Pharm* 2019;34:645-59.
- **Ashraf MS, Gaur S, Bushen OY, Chopra T, Chung P, Clifford KM, et al.** Diagnosis, treatment, and prevention of urinary tract infections in post-acute and long-term care settings: a consensus statement from AMDA's infection advisory subcommittee. *JAMDA* 2020;21:12-24.
- **Elbeddini A, Zhang C.** The pharmacist's role in successful deprescribing through hospital medication reconciliation. *Can Pharm J* 2019;152:177-9.
- **Mulligan E, Tuff R, Leclair J, Mcmillan J, Devin B, Elbeddini A, et al.** Implementation of a closed-loop medication reconciliation process for ambulatory oncology patients at Winchester District Memorial Hospital. *Healthc Manage Forum* 2019;33:85-9.
- **Momin JH, Hughes GJ.** Andexanet alfa (Andexxa) for the reversal of direct oral anticoagulants. *P T* 2019;44:530-49.
- **Choy M, Kaufman MB.** *Healthcare Heroes: The Medical Careers Guide*. Medina, OH: Sigel Press, 2019.
- **Lee JK, Tomasa L, Evans P, et al.** Impact of elective courses at three colleges of pharmacy: attitudes toward aging and eldercare. *Curr Pharm Teach Learn* 2019;11:1239-47.
- **Almutairi A, Mollon L, Lee JK, et al.** A comparison of the pharmacological and non-pharmacological

strategies used to manage chronic pain: opioid users versus non-users. *J Am Pharm Assoc* 2019;59:691-7.

- **Brooks A, Chen MK, Goldblatt E, Klatt M, Kilgore B, Koithan M, Kreitzer MJ, Lee JK, et al.** Introducing integrative primary health care to an interprofessional audience: feasibility and impact of an asynchronous online course. *Explore (NY)* 2019 Aug 12. [Epub ahead of print]
- **Campbell AM, Axon DR, Martin JR, Slack MK, Mollon L, Lee JK.** Melatonin for the prevention of postoperative delirium in older adults: a systematic review and meta-analysis. *BMC Geriatr* 2019;19:1-10.
- **Mizokami F, Mizuno T, Kanamori K, Oyama S, Nagamatsu T, Lee JK, et al.** Clinical medication review type III of polypharmacy reduced unplanned hospitalizations in older adults: a meta-analysis of randomized clinical trials. *Geriatr Gerontol Int* 2019;19:1275-81.
- **Shaw SJ, Korchmaros JD, Huebner Torres C, Totman M, Lee JK.** The RxHL study: community responsive research to explore barriers to medication adherence. *Health Educ Res* 2019;34:556-68.
- **Lisi DM.** Precision medicine and Alzheimer's, Parkinson's, and Huntington diseases: from pathogenesis to emerging therapeutics, Power-Pak C.E.: Continuing Education for Pharmacists & Pharmacy Technicians. January 1, 2020.
- **Silva Almodóvar A, Nahata MC.** Potentially harmful medication use among medicare patients with heart failure. *Am J Cardiovasc Drugs* 2020 Feb 21. [Epub ahead of print]
- **Bingham J, Silva Almodóvar A, Lee H, et al.** The role of the pharmacist in mental health: an investigation of the impact of pharmacist-led interventions on psychotropic medication adherence in patients with diabetes. *J Am Pharm Assoc* 2020 Feb 26. [Epub ahead of print]

Grants

- **Jeannie K. Lee:** "Improving Hypertension Medication Adherence for Older Adults Source: NIH-NINR R01NR018469-01A1 Goal: To Advance and Test Medication Education, Decision Support, Reminding, and Monitoring System 2.0 (MEDSRem-2), a Theory-Based, Technology-Enhanced Comprehensive Self-Management System That Supports Hypertension Medication Adherence and Blood Pressure Management for Older Adults." Role: Contact PI (MPI with Wendy Rogers, University of Illinois – Urbana Champaign). Amount: \$3,092,027. Date: February 2020 – December 2024.

Promotions

- **Jeff Sherer:** Clinical Professor, University of Houston College of Pharmacy.

Awards

- **Donna M. Lisi:** ACCP Pharmacogenomics Certificate program completion.

Other Notable Achievements

- **Stephanie M. Crist:**
Clinical Pharmacist Specialist, Mercy Clinics – East Community, St. Louis, Missouri.
Owner and Senior Care Pharmacist Consultant, Silver Lining Pharmacy Consulting LLC.
- **Ali Elbeddini:**
Canadian Health Care Executive Certificate from Canadian College of Health Leaders; Canadian Patient Safety Officer certification.
Graduated from the Harvard Medical School of Clinical Scholars Research Studies.
Appointed to the National Deprescribing Team with the Canadian Deprescribing Network.
- **Donna M. Lisi:** Clinical Pharmacist, LTC/PAC at Hackensack Meridian Health in Eatontown, New Jersey.

GI/Liver/Nutrition PRN

Introduction

The GI/Liver/Nutrition PRN would like to congratulate its members for their inspiring accomplishments this past year! We are continuing to explore new ways to engage our members on our social media platforms, including Twitter ([@accpGILNprn](#)) and Facebook ([ACCP GI/Liver/Nutrition PRN](#)). We would love to hear from you if you have new ideas on how our PRN can serve your professional interests!

Promotions

- **Jennifer Andres:** Clinical Associate Professor of Pharmacy Practice, Temple University School of Pharmacy.
- **Joe Ybarra:** Director of Corporate Clinical Pharmacy, CHRISTUS Health.

Awards

- **Vanessa Kumpf:** Stanley Serlick Award, American Society for Parenteral and Enteral Nutrition (ASPEN).

Publications

- Min AC, **Andres JL**, Grover AB, et al. Pharmacist comfort and awareness of HIV and HCV point of care testing in community settings. Health Promot

Pract 2019 Jul 1. [Epub ahead of print]

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Presentations

- Clouser A, Huang E, **Hampson K**. Comparison of maintenance fluid provision in patients with sickle cell disease experiencing vaso-occlusive pain crisis. Presented at: ASHP Midyear Clinical Meeting; December 2019; Las Vegas, NV.
- **Smith A**:
Enhanced recovery after surgery: national experience and medication protocols. Invited podium presentation at: Obesity Week; November 4, 2019; Las Vegas, NV.
Multimodal pain management & discharge prescribing. Invited podium presentation at: Obesity Week; November 4, 2019; Las Vegas, NV.
Pharmacotherapy in bariatric surgical patients: a clinical & research challenge. Invited podium presentation at: American College of Clinical Pharmacology Annual Meeting; September 15, 2019; Chicago, IL.
Medical management of chronic disease post bariatric surgery. Invited podium presentation at: Obesity Weekend; June 21, 2019; Chicago, IL.

Global Health PRN

Notable Achievements

- **Amy Kruger Howard**: Partnered with the Institute of Human Virology Nigeria to implement a clinical trial on ART adherence for children 0–10 years of age using caregiver peer mentorship. This project was conducted with the help of a CIPHER grant.

Health Outcomes PRN

Promotions

- **Daniel Touchette**: Co-Director, University of Illinois at Chicago Center for Pharmacoepidemiology and Pharmacoeconomic Research.

Awards

- **Omolola Adeoye-Olatunde**: Indiana CTSI TL1 Postdoctoral Trainee Kroenke Best Poster Award.
- **Chris Frei**: UT Austin, Faculty Mentor of the Year (inaugural), January 2020.

Grants

- **Daniel Touchette**: Principal Investigator, Institute for Clinical and Economic Review (\$425,000).
- **Erin R. Weeda**: Duke Endowment – “Leveraging an Interprofessional Diabetes Telehealth Service to Optimize.”

Publications

- Coe AB, **Adeoye-Olatunde OA**, Pestka DL, et al. Patterns and predictors of older adult Medicare Part D beneficiaries’ receipt of medication therapy management. *Res Social Adm Pharm* 2019 Dec 9. [Epub ahead of print]
- McPherson KL, **Adeoye-Olatunde OA**, Osborne J, et al. Community pharmacists’ and residents’ decision-making and unmet information needs when completing comprehensive medication reviews. *J Am Pharm Assoc* 2020 Jan 24. [Epub ahead of print]
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- Caskey R, Moran K, **Touchette D**, et al. Effect of comprehensive care coordination on Medicaid expenditures compared with usual care among children and youth with chronic disease: a randomized trial. *JAMA Netw Open* 2019;2:e1912604.
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- Halavonich L, Robert S, McGraw D, **Weeda E**, et al. Management of delirium at an academic medical center: plans for antipsychotic prescribing upon discharge. *Ment Health Clin* 2020;10:25-9.
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Hematology/Oncology PRN

Awards

- **Farah Raheem**: 2020 Top 10 Trainee Research, Hematology/Oncology Pharmacy Association.
- **Amanda Seddon**: New Practitioner Award, American Society for Transplantation and Cellular Therapy, Pharmacy Special Interest Group.

Grants

- **Ashley Glode**: University of Colorado Cancer Center Investigator-Initiated Trial – \$50,000.
- **Shanada Monestime**: NHLBI Small Research Grant through Obesity Health Disparities PRIDE – \$10,800.

Publications

- Han F, Dellacecca ER, Barse LW, Cosgrove C, Henning SW, **Ankney CM**, et al. Adoptive T cell transfer to treat lymphangioliomyomatosis. *Am J Respir Cell Mol Biol* 2020 Feb 20. [Epub ahead of print]
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Other Notable Achievements

- **Larry Buie**: Incoming President of the Hematology/Oncology Pharmacy Association.
- **Kaitlin (Katie) Rascon**: *ACCP Report*, November 2019 Member Spotlight.

HIV PRN

Since the HIV PRN's first year, membership has grown from 41 members to more than 200 members. As life expectancy increases for people living with HIV, managing comorbid disease states and polypharmacy is increasingly vital. As such, the PRN will continue collaborating with other PRNs to increase networking and educational efforts for pharmacists who may interact with this population through research, education, or practice. In addition, the PRN is further integrating students and trainees because members understand the importance of guiding the next generation of pharmacists with an interest in HIV. As the field of HIV continues to evolve, there is a continuous need for collaboration and research that demonstrates the benefits and best practices for clinical pharmacists in preventing and treating HIV. The PRN's future is vital to the

continued sharing of evidence-based recommendations and experiences to optimize patient care by pharmacists around the world.

Promotions

- **Agnes Cha:** Clinical Pharmacy Ambulatory Care Manager, Northwell Health.
- **Jacob Peace:** Intern, Johns Hopkins Pharmacy Internship Program at Bartlett Clinic Outpatient Pharmacy.

Awards

- **Melissa Badowski:** Distinguished Service Award, ACCP HIV PRN.
- **Milena Murray:** Shining Star Award, Illinois Council of Health-System Pharmacists.

Publications

- Cottrell ML, Prince HMA, Schauer AP, Sykes C, Maffuid K, Polisen A, Chun TW, Huiting E, Stanczyk FZ, Peery AF, Dellon ES, **Adams JL**, Gay C, **Kashuba ADM**. Decreased tenofovir diphosphate concentrations in a transgender female cohort: implications for HIV pre-exposure prophylaxis (PrEP). *Clin Infect Dis* 2019;69:2201-4.
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- **Brotherton AL, Rab S**, Kandiah S, et al. The impact of an automated antibiotic stewardship intervention for the management of *Staphylococcus aureus* bacteremia utilizing the electronic health record. *J Antimicrob Chemother* 2020;75:1054-60.
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- **Chastain D, Badowski M, Huesgen E, Pandit NS, Pallotta A, Michienzi S**. Optimizing antiretroviral therapy in treatment-experienced patients living with HIV: a critical review of switch and simplification strategies. An opinion of the HIV Practice and Research Network of the American College of Clinical Pharmacy. *J Int Assoc Provid AIDS Care* 2019;18:2325958219867325.
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- **Hester EK, Caulder C, Penzak SR**. Impact of team-based care on appropriate statin therapy prescribing in HIV-infected patients. *J Am Coll Clin Pharm* 2020 Jan 17. [Epub ahead of print]
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- **Michienzi SM, Badowski ME, Brizzi M, Burgos RM, Chiampas TD, Smith RO**. Infections in immunocompromised patients. *PharmacotherapyFirst* 2019.
- **Michienzi SM, Ladak AF, Pérez SE, Chastain DB**. Antiretroviral stewardship: a review of published outcomes with recommendations for program implementation. *J Int Assoc Provid AIDS Care* 2020;19:2325958219898457.
- **Pandit NS, Chastain DB, Pallotta AM, Badowski ME, Huesgen EC, Michienzi SM**. Simplifying ARV therapy in the setting of resistance. *Curr Infect Dis Rep* 2019;21:38.
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- 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.

Other Notable Achievements

- **Thomas Chiampas**: Elected President-Elect of the Northern Illinois Society of Health-System Pharmacists.
- **Monica Mahoney**: Presented a CE at ASHP Midyear Meeting 2019 in Las Vegas, Nevada: "Now We Got Bad Blood: Treatment of Bloodstream Infections" (session 239-L01), which was selected as a "Power Hour" presentation.
- **Sarah Michienzi**: Presented a CE at the Illinois Pharmacists Association Annual Meeting 2019 in Springfield,

Illinois: "HIV PrEP: A Therapeutics Update and Look at Pharmacists Roles."

Interviewed for a February 2020 article in *Pharmacy Practice News*: "In Prison and Out, Untreated HCV Still Poses Burden."

- **Milena Murray**: BCIDP.

Immunology/Transplantation PRN

Promotions

- **Karen Khalil**: Clinical Pharmacotherapy Specialist, Abdominal Transplant Service; NYU Langone Health, New York, New York.

Awards

- **Lyndsey Bowman**: Pharmacist of the Year Award, Tampa General Hospital.

Publications

- **Alvey NR, Bowman L, Campara M, Cochrane AB, Cross RP, Crowther B, Doligalski C, Harris MT, Jandovitz N, Kaiser TE, Kane C, Khalil K, Kutzler HL, Laub MR, Maldonado AQ, McCann A, Melaragno JI, Mikolay J Jr, Morris HA, Moss Chandran M, Nelson J, Park JM, Pilch NA, Potter L, Ravichandran BR, Rendulic TA, Schmiedeskamp-Rahe M, Schnelle K, Snyder HS, Sparkes T, Tan T, Trofe-Clark J, Truax C, Valdepenas BT III**. (PRN member contributors to the C4 Article). C4 article: Challenges and solutions to appropriate and timely medication access in transplantation in the United States. *Am J Transplant* 2020;20:362-76.
- **Chandran MM**. Management of the organ donor. In: Buck ML, Lee BR, eds. *Pediatric Self-Assessment Program (PedSAP) 2019, Book 2. Transplantation*. Lenexa, KS: American College of Clinical Pharmacy, 2019:145-9.
- Bock M, Wall L, Randall C, **Chandran M**, et al. Management of dyslipidemia in pediatric renal transplant recipients. *Pediatr Nephrol* 2020 Jan 2. [Epub ahead of print]
- **Cohen E**, Formica, R, Batra RK. Side effect-driven conversion to belatacept for kidney transplant recipients in a clinical setting. *J Clin Exp Immunol* 2020;5:20.
- Nussbaum EZ, Azar MM, **Cohen E**, et al. Orally administered human immunoglobulin therapy for norovirus enteritis in solid organ transplant recipients: a case series at a single academic transplant center. *Clin Infect Dis* 2020 Jan 30. [Epub ahead of print]
- Bixby AL, Fitzgerald L, Leek R, Mellinger J, Sharma P, **Tischer S**. Impact of direct-acting antivirals

for hepatitis C virus therapy on tacrolimus dosing in liver transplant recipients. *Transpl Infect Dis* 2019;21:e13078.

Invited Presentations

- **Lyndsey Bowman:** ACCP IMTR PRN focus session: Asymptomatic bacteriuria in solid organ transplant recipients. ACCP Annual Meeting; October 26-29, 2019; New York, NY.
Something old, something new, something borrowed, something you: immunomodulating agents for the modern era. Presented at: International Transplant Nurses Society Annual Meeting; November 15-18, 2019; Orlando, FL.
- **Tracey Meyers:** American Nephrology Nurses Association Renal Update 2020; February 27-28, 2020; Lynnwood, WA.
- **Mary Moss Chandran:** Conversion to improve adherence: change in formulation or agent immunosuppression in 2019 and beyond: considerations for CNJ conversion. American Transplant Congress; June 1-5, 2019; Boston, MA.
- **Lisa Potter:** Clinical pharmacy specialties: organ transplantation. Plenary lecture presented at: Annual Symposium organized by the National Hospital Pharmacists Association of Romania (ANFSR); December 2019; Cluj-Napoca, Romania.

Posters

- **Cohen E, McKim D, Kulkarni S.** Improving immunosuppression drug accuracy through pharmacy-directed medication reconciliation. European Society of Transplant Congress; 2019.
- **Moss Chandran M, Steinberg E, Sikora A, McKinnon K, Bisek M, Goebel J, Bock M.** Implementation of a longitudinal comprehensive multidisciplinary transition program and seminar – safely making the long leap to the adult world. American Transplant Congress; June 1-5, 2019; Boston, MA; and Congress of the International Pediatric Transplant Association (IPTA); May 4-7, 2019; Vancouver, British Columbia, Canada.
- **Tischer S, Pacurar L, Kumar S, Montgomery J, Wait S.** Evaluating opioid restrictive pain management after laparoscopic kidney donation. *Am J Transplant* 2020;20(S2):20. Platform Presentation at: ASTS Winter Symposium.

Platforms

- **Mary Moss Chandran:** Impact of once-daily tacrolimus on trough concentration variability in stable adolescent and young adult renal transplant recipients. American Transplant Congress; June 1-5, 2019; Boston, MA; and Congress of the International

Pediatric Transplant Association (IPTA); May 4-7, 2019; Vancouver, British Columbia, Canada.

New ACCP Fellows

- Ahmed H. Aljedai
- Barrett R. Crowther
- James N. Fleming
- Angela Q. Maldonado

Infectious Diseases PRN

Introduction

The ID PRN continues to build on its previous successes. Members continue to excel, including publishing over 56 articles and earning 21 new BCIDP certifications! 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

- **Christina Andrzejewski:** Clinical Intelligence Specialist, ID Connect, Inc. (Pittsburgh, PA).
- **Rebecca Castner:** Associate Professor of Clinical Sciences, Clinical and Administrative Sciences, College of Pharmacy, Roosevelt University (Chicago, IL).
- **Debra Goff:** Professor of Pharmacy, Pharmacy Practice and Science, College of Pharmacy, The Ohio State University (Columbus, OH).
- **Krutika Mediwala:** Residency Program Director – Infectious Diseases PGY2; Affiliate Assistant Professor – Division of Infectious Diseases, Medical University of South Carolina Health University Medical Center (Charleston, SC).
- **Andrea Pallotta:** Pharmacy Clinical Coordinator of Infectious Diseases, Cleveland Clinic (Cleveland, OH).

Board Certification in Infectious Diseases (BCIDP)

- Christina Andrzejewski
- Aiman Bandali
- Wiyanna Bruck
- Philip Chung
- Elizabeth Covington
- Chris Destache
- Danielle Dufresne
- Jena Foreman
- Angie Fouts
- Brian Hughes
- Evan Mallory
- Milena Murray
- Mandana Naderi
- Cynthia Nguyen
- Rebecca Nolen

- Kelsey Olson
- Pratih Patel
- Lara Ramey
- Diandra Ruidera
- Bhavik Shah
- Gregory Tallman

Awards

- **Jacinda Abdul-Mutakabbir:** ECCMID 30 Under 30 Outstanding Young Scientists.
- **Sara Alosaimy:** First Place Winner: Annual Eugene Applebaum College of Pharmacy and Health Sciences Research Day Outstanding Research Award.
- **Amanda Barner:** 2019 CHA Medical Staff Rising Star Award.
- **Timothy Gauthier:** SIDP Gita Patel Best Practice Award.
- **Debra Goff:** Pharmacy Times Lifetime Achievement Finalist.
- **Alan Gross:** SHEA Top Oral Research Abstract, IDWeek 2019.
- **Betsy Hirsch:** Professor of the Year, Twin Cities UMN students, Class of 2020.
- **Wesley Kufel:** 2019 New York State American College of Clinical Pharmacy Educator of the Year.
- **Taylor Morrisette:** ACCP Resident/Fellow Travel Award; IDWeek Trainee Travel Grant.
- **Milena Murray:** Shining Star Award, Illinois Council of Health-System Pharmacists.
- **Diandra Ruidera:** Preceptor of the Year – California Northstate University School of Pharmacy.
- **Michael Rybak:** ACCP Infectious Diseases PRN Distinguished Investigator Award.
- **Kayla Stover:** School of Pharmacy Service Award.

Grants

- **Debra Goff:** A pharmacist-led prospective study to improve duration of antimicrobial therapy in culture negative sepsis in neonatal intensive care units (NICU) in public and private hospitals across South Africa.
- **Betsy Hirsch:** Co-Investigator on \$160,000 grant funded by University of Minnesota Medical School Academic Investment Clinical Program: “Program to Improve Quality and Safety of Outpatient Parenteral Antibiotic Treatment (OPAT) at UMMC.”
- **Justin Moore:** 2019 BPS Seed Grant (with co-investigator Sheila Wang).
- **Michael Rybak:** PI-Initiated Industry grants, NIH R01 subcontract.

Publications

- **Abdul-Mutakabbir JC,** Kebriaei R, Jorgensen SCJ,

Rybak MJ. Teaching an old class new tricks: a novel semi-synthetic aminoglycoside, plazomicin. *Infect Dis Ther* 2019;8:155-70.

- **Almangour TA, Perry GK,** Alhifany AA. Dalbavancin versus standard of care for the treatment of osteomyelitis in adults: a retrospective matched cohort study. *Saudi Pharm J* 2020 Feb 17. [Epub ahead of print]
- Alhifany AA, Almutairi AR, **Almangour TA,** et al. Comparing the efficacy and safety of faecal microbiota transplantation with bezlotoxumab in reducing the risk of recurrent *Clostridium difficile* infections: a systematic review and Bayesian network meta-analysis of randomised controlled trials. *BMJ Open* 2019;9:e031145.
- **Alosaimy S, Abdul-Mutakabbir JC,** Jorgensen SCJ, Kebriaei R, **Rybak MJ.** Evaluation of eravacycline: a novel fluorocycline. *Pharmacotherapy* 2020;40:221-38.
- **Alosaimy S,** Jorgensen SCJ, Lagnf AM, Melvin S, Mynatt RP, **Carlson TJ,** Garey KW, **Allen D, Venugopalan V,** Veve M, Athans V, Saw S, **Yost CN, Davis SL, Rybak MJ.** Real-world multicenter analysis of clinical outcomes and safety of meropenem-vaborbactam in patients treated for serious gram-negative infections. *Open Forum Infect Dis* 2020;7:ofaa051.
- Helmi M, **Alosaimy S,** Goodson JM, et al. Annual alveolar bone loss in older adults taking oral bisphosphonate: a case-control study. *BMC Oral Health* 2019;19:260.
- Nimarko K, **Bandali A, Bias TE,** et al. Impact of an antimicrobial stewardship team on reducing antiretroviral medication errors. *Ann Pharmacother* 2020 Jan 24. [Epub ahead of print]
- **Barner A,** Bruno-Murtha L. Antimicrobial stewardship centers of excellence: plea for equal opportunity. *Clin Infect Dis* 2019 Sep 23. [Epub ahead of print]
- **Barber KE, Wagner JL,** Miller JM, Lewis EA, **Stover KR.** Impact of obesity in patients with *Candida* bloodstream infections: a retrospective cohort study. *Infect Dis Ther* 2020;9:175-83.
- **Beccari MV,** Seabury RW, Mogle BT, **Kufel WD,** et al. Cost comparison of AUC:MIC versus trough-based vancomycin monitoring for MRSA bacteremia. *J Am Pharm Assoc.* 2020 Mar 4. [Epub ahead of print]
- Jorgensen SCJ, Murray KP, Lagnf AM, Melvin S, Bhatia S, Shamim MD, Smith JR, **Brade KD,** Simon SP, Nagel J, Williams KS, Ortwine JK, Veve MP, **Truong J,** Huang DB, **Davis SL, Rybak MJ.** A multicenter evaluation of vancomycin-associated acute kidney injury in hospitalized patients with acute bacterial skin and skin structure infections. *Infect Dis Ther* 2020;9:89-106.

- **Britt RS**, LaSalvia MT, Padival S, Patel P, **McCoy C**, **Mahoney MV**. Evaluation of inpatient antimicrobial regimens for readmitted outpatient parenteral antimicrobial therapy (OPAT) patients receiving daptomycin or ertapenem for ease of administration. *Open Forum Infect Dis* 2019;6:ofz496.
- Mootz ML, **Britt RS**, Mootz AA, Lee GC, **Reveles KR**, Evoy KE, Chengwen T, **Frei CR**. Comparative-effectiveness of ceftaroline and daptomycin as first-line MRSA therapy for patients with sepsis admitted to hospitals in the United States Veterans Health Care System. *Hosp Pract* (1995). 2019;47:186-91.
- **Chahine EB**, **Durham SH**, **Mediwala KN**, **Chastain DB**, **Gauthier TP**, **Hill BK**, **Jones BM**, **Kisgen JJ**, **Marx A**, **Stover KR**, **Worley MV**, **Bland CM**, **Bookstaver PB**. A baker's dozen of top antimicrobial stewardship intervention publications in 2018. *Open Forum Infect Dis* 2019;6:ofz450.
- **Chastain DB**, Veve MP, **Wagner JL**. Abnormal QTc syndrome in HIV-infected patients: a systematic review of prevalence and risk factors. *Antivir Ther* 2019;24:459-65.
- **Cho JC**, Crotty MP, **Kufel WD**, **Chahine EB**, Sofjan AK, **Gallagher JC**, et al. Learning experiences within infectious diseases pharmacy residency programs in the United States: a cross-sectional survey. *Open Forum Infect Dis* 2019;6:ofz387.
- Ashraf MS, Gaur S, Bushen OY, Chopra T, **Chung P**, et al. Diagnosis, treatment, and prevention of urinary tract infections in post-acute and long-term care settings: a consensus statement from AMDA's Infection Advisory Subcommittee. *J Am Med Dir Assoc* 2020;21:12-24.e2.
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- Craddock K, Molino ST, Stranges PM, **Suda KJ**, Bleasdale SC, Radosta J, Hickner J, Kannampallil T, Shapiro NL, **Gross AE**. The impact of educational interventions on antibiotic prescribing for acute upper respiratory tract infections in the ambulatory care setting: a quasi-experimental study. *J Am Coll Clin Pharm* 2020 Jan 17. [Epub ahead of print]
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- **Trinh TD**, Jorgensen SCJ, **Zasowski EJ**, **Claeys KC**, Lagnf AM, Estrada SJ, Delaportes DJ, **Huang V**, Klinker KP, Kaye KS, **Davis SL**, **Rybak MJ**. A multicenter study of the real-world use of ceftaroline versus vancomycin for acute bacterial skin and skin structure infections. *Antimicrob Agents Chemother* 2019;63:pii: e01007-19.
- **Trinh TD**, Smith JR, **Rybak MJ**. Parenteral fosfomycin: a new ally in the fight against multidrug-resistant bacterial pathogens. *Pharmacotherapy* 2019;39:1077-94.
- Jorgensen SCJ, **Trinh TD**, **Zasowski EJ**, Lagnf AM, Bhatia S, Melvin SM, Simon SP, Rosenberg JR, Steed ME, Estrada SJ, **Morrisette T**, **Davis SL**, **Rybak MJ**. Evaluation of the INCREMENT-CPE, Pitt Bacteremia and qPitt Scores in patients with carbapenem-resistant Enterobacteriaceae infections treated with ceftazidime-avibactam. *Infect Dis Ther* 2020 Feb 22. [Epub ahead of print]
- Jorgensen SCJ, **Trinh TD**, **Zasowski EJ**, Lagnf AM, Bhatia S, Melvin SM, Steed ME, Simon SP, Estrada SJ, **Morrisette T**, **Claeys KC**, Rosenberg JR, **Davis SL**, **Rybak MJ**. Real-world experience with ceftazidime-avibactam for multidrug-resistant gram-negative bacterial infections. *Open Forum Infect Dis* 2019;6: ofz522.
- Jorgensen SCJ, **Trinh TD**, **Zasowski EJ**, Lagnf A, Simon S, Bhatia S, Melvin SM, Steed ME, Finch N, **Morrisette T**, Estrada SJ, Rosenberg JR, **Davis S**, **Rybak MJ**. Real-world experience with ceftolozane-tazobactam for multidrug-resistant gram-negative bacterial infections. *Antimicrob Agents Chemother* 2020 Jan 13. [Epub ahead of print]
- **Wenzler E**, **Santarossa M**, Meyer KA, et al. In vitro pharmacodynamic analyses help guide the treatment of complex multidrug-resistant *Enterococcus faecium* and *Enterobacter cloacae* bacteremia in a liver transplant patient. *Open Forum Infect Dis* 2020;7:ofz545.
- Ortwine JK, **Zasowski EJ**, **Pogue JM**, Hanni C, Giuliano C, Casapao AM, Mynatt R, **Rybak MJ**.

Relationship status between vancomycin loading dose and treatment failure in patients with MRSA bacteremia: it's complicated. *Infect Dis Ther* 2019;8:627-40.

- Ray KM, **Zembles TN**, Mitchell ML. Urine trouble: optimizing the management of pediatric UTIs in the outpatient setting. *J Pharm Soc Wis* 2019;22:16-9.

Other Notable Achievements

- **Abdul-Mutakabbir JC**, Kebriaei R, Stamper K, Maassen P, Lev K, **Rybak MJ**. Dalbavancin, vancomycin, and daptomycin alone and in combination with cefazolin against resistant phenotypes of *Staphylococcus aureus*. Presented at: IDWeek 2019 Scientific Poster Session; October 2019; Washington, DC.
- **Abdul-Mutakabbir JC**, Yim J, Nguyen L, Kebriaei R, Stamper K, Maassen P, Seyesenhamend J, Smith JR, **Barber K**, Singh N, Raut A, Kaye K, **Rybak MJ**. The evaluation of the utility in using different synergy testing methods to predict the activity of antibiotic combinations against *Acinetobacter baumannii*. Presented at: ASHP Midyear Clinical Meeting, Scientific Poster Session; December 2019; Las Vegas, NV.
- **Abdul-Mutakabbir JC**, Yim J, Nguyen L, Kebriaei R, Stamper K, Maassen P, Seyesenhamend J, Smith JR, **Barber K**, Singh N, Raut A, Kaye K, **Rybak MJ**. In vitro synergy of colistin in combination with meropenem or tigecycline against multi-drug resistant *Acinetobacter baumannii*. Presented at: IDWeek 2019 Scientific Poster Session; October 2019; Washington, DC.
- **Sara Alosaimy**: Completed SIDP Antimicrobial Stewardship Certificate program.
- **Rachel Britt**:
Abstract selected for poster and platform presentation at the Texas Medical Center Antimicrobial Resistance and Stewardship Conference.
Invited to lecture for the UTMB School of Medicine Master of Physician Assistant Studies and Doctor of Medicine curriculum.
Invited to speak about stewardship and asymptomatic bacteriuria at the UTMB Geriatric Medicine Conference.
Wrote an "In the Literature" article for ContagionLive.
- **Wiyanna Bruck**: Presented an oral abstract at the 4th Annual Middle Tennessee Antimicrobial Stewardship Symposium.
- **Stephen Chromi**: NVSHP Board of Directors – Director of Public Relations.
- **Philip Chung**: Achieved AAHIVP certification.
- **Alice Hemenway**: Graduated with Master of Public

Health degree from University of Illinois at Chicago.

- **Betsy Hirsch**: Invited Panel Member of the Infectious Diseases Society of America 2019 Update of the Urinary Tract Infection Guidelines.
- **Monica Mahoney**: ASHP Midyear Clinical Meeting presenter of "Now We Got Bad Blood: Treatment of Bloodstream Infections." (Selected as a "Power Hour" presentation); BCIDP Role-Delineation Panel; NYCSHP webinar: Welcome to the Jungle: Update on New GNR Drugs.
- **Krutika Mediwala**: BCIDP Item Writer; BCIDP Role-Delineation Panel.
- **Michael Rybak**: Appointed to ASHP Foundation Research Advisory Council 2019.

Nephrology PRN

Promotions

- **Linda Awdishu**: Professor, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California San Diego.
- **Bruce A. Mueller**: Senior Associate Dean, University of Michigan College of Pharmacy.

Grants

- **Linda Awdishu** (Co-Investigator): "Renal Effects of Hormones/Biomarkers in Transgender PrEP Patients."
- **Erin F. Barreto**:
Program Director/Principal Investigator: "Beta-Lactam Individualization for Critically Ill Patients." Funded by National Institute of Allergy and Infectious Diseases. (K23 AI 143882) December 2019 – November 2024.
Co-Investigator: "Use of Nephrotoxic Drugs in AKI Survivors at Transitions of Care: Risk for Chronic Kidney Disease." Funded by American Society of Health-System Pharmacists. March 2019 – September 2020.
AKI Survivorship Pilot – A Multiprofessional Approach to Care Transitions. Funded by Midwest Clinical Practice Committee Innovation Award. January 2020 – December 2020.
- **Wendy St. Peter** (Co-Investigator). United States Renal Data System Coordinating Center Contract: HSN 75N94019C00006.

Publications

- **Awdishu L**, Moore T, Morrison M, et al . A primer on quality assurance and performance improvement for multidisciplinary chronic kidney disease care: a path to Joint Commission certification. *Pharmacy (Basel)* 2019;7:pii: E83.

- **Awdishu L**, Singh RF, Saunders I, et al. Advancing pharmacist collaborative care within academic health systems. *Pharmacy (Basel)* 2019;7:pii: E142.
- **Barreto EF**, Nemecek BD. Renal disease and renal replacement therapy overview. In: Nemecek BD, Hammond DA, eds. *Demystifying Drug Dosing in Renal Dysfunction*. Bethesda, MD: American Society of Health-System Pharmacists, 2019:1-14.
- Barreto JN, Piche SL, Hogan BM, **Barreto EF**. Effect of a multimodal multidisciplinary training program on pharmacy residents' knowledge and confidence toward research and biostatistics. *Curr Pharm Teach Learn* 2020;12:20-6.
- Kurani S, Hickson LJ, Thorsteinsdottir B, **Barreto EF**, et al. Supplement use by US adults with CKD: a population-based study. *Am J Kidney Dis* 2019;74:862-5.
- Kurani S, Jeffery MM, Thorsteinsdottir B, Hickson LJ, **Barreto EF**, et al. Use of potentially nephrotoxic medications by U.S. adults with chronic kidney disease: NHANES, 2011-2016. *J Gen Intern Med* 2019 Dec 2. [Epub ahead of print]
- Lam SW, **Barreto EF**, Scott R, et al. Cost-effectiveness of second-line vasopressors for the treatment of septic shock. *J Crit Care* 2020;55:48-55.
- Rizvi MS, Nei AM, Gajic O, **Barreto EF**. The authors reply. *Crit Care Med* 2020;48:e79-e80.
- Zhao Y, Seelhammer TG, **Barreto EF**, et al. Altered pharmacokinetics and dosing of liposomal amphotericin B and isavuconazole during extracorporeal membrane oxygenation. *Pharmacotherapy* 2020;40:89-95.
- **Nguyen T**, Ren S, Hussaine J, et al. Role of potassium-sparing diuretics in the management of hypokalemia in peritoneal dialysis. *Am J Ther* 2019 Sep 24.
- **Nguyen T**, Ro E, Tso C. A review on secondary hyperparathyroidism in patients with chronic kidney disease. *NJ J Pharm* 2019;93:4-7.
- **Nguyen T**, Wong E, Ciummo C. Polypharmacy in older adults: practical applications alongside a patient case. *J Nurse Pract* 2020;16:205-9.
- **Nguyen T**, Wong E, Wang Z, et al. SOAP notes during APPEs: assessment of student performance. *J Pharm Pract* 2019 Nov 6. [Epub ahead of print]
- Hampson K, **Nguyen T**. A review of intravenous iron replacement medications for nurse practitioners. *J Nurse Pract* 2020;16:224-7.
- Wong E, **Nguyen T**. Evaluating the safe use of antidepressants in older adults: a case-based approach. *Sr Care Pharm* 2020;35:29-33.
- Flythe JE, Hilliard T, Lumby E, Castillo G, Orazi J, Abdel-Rahman, Pai AB, Rivara MB, **St. Peter WL**, et al.; for the Kidney-Health Initiative Prioritizing

Symptoms of ESRD Patients for Developing Therapeutic Interventions Stakeholder Meeting Participants. Fostering innovation in symptom management among hemodialysis patients: paths forward for insomnia, muscle cramps, and fatigue. *Clin J Am Soc Nephrol* 2019;14:150-60.

- Rojanasart S, Nevold JH, Karaca-Mandic P, **St. Peter WL**, et al. Enhancing guideline-based asthma care processes through a multi-state, multi-center quality improvement program. *J Asthma* 2019;56:440-50.
- Wigneswaran J, **St. Peter WL**, Nissenson AR, et al. Redefining medication management in dialysis: a kidney pharmacy quality pyramid. *Kidney Med* 2019;1:307-14.

Other Notable Achievements

- **Linda Awdishu**:
Editorial Board for *Kidney360*, *Journal of the American Society of Nephrology*.
Member of the American Board of Internal Medicine, Nephrology Board.

Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN

Awards

- **Jason Karnes**: 2019 ACCP New Investigator Award.

Grants

- **Jason Karnes**: Flinn Foundation (PIs: **Karnes**, Heise). 11/1/18 – 10/31/20. Seed Grant to Promote Translational Research in Precision Medicine. "Large-Scale Implementation of Pharmacogenomics: Translating Genotype-Guided Warfarin Dosing from Discovery to the Bedside."

Publications

- **Arwood MJ**, Vahabi N, Lteif C, et al. Transcriptome-wide analysis associates ID2 expression with combined pre- and post-capillary pulmonary hypertension. *Sci Rep* 2019;9:19572.
- Lteif C, **Arwood MJ**, Kansal M, et al. Beta-blocker dose stratifies mortality risk in a racially diverse heart failure population. *J Cardiovasc Pharmacol* 2020;75:250-8.
- Weitzel KW, Duong BQ, **Arwood MJ**, **Owusu-Obeng A**, et al. A stepwise approach to implementing pharmacogenetic testing in the primary care setting. *Pharmacogenomics* 2019;20:1103-12.
- **Cicali EJ**, **Smith DM**, Duong BQ, Kovar LG, **Cavallari LH**, et al. A scoping review of the evidence behind cytochrome P450 2D6 isoenzyme inhibitor classifications. *Clin Pharmacol Ther* 2020 Jan 7. [Epub ahead of print]

- Relling MV, Klein TE, **Gammal RS**, Whirl-Carrillo M, Hoffman JM, **Caudle KE**. The Clinical Pharmacogenetics Implementation Consortium: 10 years later. *Clin Pharmacol Ther* 2020;107:171-5.
- **Hasan MJ**, Rabbani R, Bachar SC. Therapeutic specification of the last resort polymyxins: an intelligent approach. *Int J Infect* 2019;6:e96828.
- **Hicks JK, Bishop JR, Gammal RS**, Sangkuhl K, Bousman C, Leeder JS, Llerena A, Mueller DJ, Ramsey LB, Scott SA, Skaar TC, **Caudle KE**, et al. A call for clear and consistent communications regarding the role of pharmacogenetics in antidepressant pharmacotherapy. *Clin Pharmacol Ther* 2020;107:50-2.
- **Karnes J** (listed 310 of 333 authors); All of Us Research Program Investigators. The “All of Us” research program. *N Engl J Med* 2019;381:668-76.
- **Karnes JH**, Wiener HW, Schwantes-An T, et al. Genetic admixture and survival in diverse populations with pulmonary arterial hypertension. *Am J Respir Crit Care Med* 2020 Jan 9. [Epub ahead of print]
- Ilori T, Viera E, Wilson J, Moreno F, Menon U, Ehiri J, Peterson R, Vemulapalli T, StimsonRiahi S, Rosales C, Calhoun E, Sokan A, **Karnes J**, et al. Approach to high volume enrollment in clinical research: experiences from an All of Us research program site. *Clin Transl Sci* 2020 Jan 31. [Epub ahead of print]
- **Luzum JA**, Ting C, Peterson EL, et al. Association of regulatory genetic variants for protein kinase C α with mortality and drug efficacy in patients with heart failure. *Cardiovasc Drugs Ther* 2019;33:693-700.
- **Smith DM**, Peshkin BN, Springfield TB, et al. Pharmacogenetics in practice: estimating the clinical actionability of pharmacogenetic testing in perioperative and ambulatory settings. *Clin Transl Sci* 2020 Jan 21. [Epub ahead of print]
- Mehta D, **Uber R**, Ingle T, et al. Study of pharmacogenomic information in FDA-approved drug labeling to facilitate application of precision medicine. *Drug Discov Today* 2020 Feb 4. [Epub ahead of print]

Other Notable Achievements

- **Meghan Arwood:**
Current landscape of precision medicine clinics: approaches from various practitioners to improve the fit of those genes! Accepted: session proposal for ASCPT Annual Meeting; March 21, 2020; Houston, TX.
Appointed Vice Chair of the American Society for

Clinical Pharmacology and Therapeutics (ASCPT) Pharmacogenomics Community (March 2020 – March 2021).

- **Md Jahidul Hasan:** Joined Long Island University as a Preceptor.

Pulmonary PRN

Grants

- **Jennifer Austin Szwak:** University of Chicago Medicine, “Outpatient Principles in Addiction Training and Education (OPIATE) Initiative,” Association of American Medical Colleges Curricular Innovation Award, \$2500, Team Member.

Publications

- Lee C, **Austin Szwak J**, Bastow S, et al. Impact of a nurse-driven diabetic ketoacidosis insulin infusion calculator on the rate of hypoglycemia. *J Patient Saf* 2019 Nov 19. [Epub ahead of print]
- **Boylan PM, Santibañez M**. Case report of upper gastrointestinal bleeding in a male patient taking rivaroxaban and megestrol acetate. *Sr Care Pharm* 2019;34:501-9.
- **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* 2020;36:3-9.
- **Gershman J**. What pharmacists need to know about COPD and transitions of care. *Drug Topics* 2019;6:24-5.
- **Malesker MA**, Callahan-Lyon P, Madison JM, et al.; CHEST Expert Cough Panel. Chronic cough due to stable chronic bronchitis: CHEST Expert Panel Report. *Chest* 2020 Feb 24. [Epub ahead of print]
- **Santibañez M**, Bunnell K, Harrington A, et al. Association between pharmacokinetic/pharmacodynamic derived predictions of efficacy and clinical outcomes in obese and non-obese patients with Enterobacteriaceae bloodstream infections. *Open Forum Infect Dis* 2019;6:ofz400.
- Daniels C, **Santibañez M**. Diversity considerations in selecting a residency program. In: Caballero J, Benavides S, Clauson KA, eds. *Get the Residency: ASHP’s Guide to Residency Interviews and Preparation*, 2nd ed. Bethesda, MD: American Society of Health-System Pharmacists, 2019:85-96.
- Dingman JS, **Smith ZR**, Coba VE, et al. Argatroban dosing requirements in extracorporeal life support and other critically ill populations. *Thromb Res* 2020;189:69-76.
- Martirosov AL, **Smith ZR**, Hencken L, et al. Improving transitions of care for critically ill adult patients on

pulmonary arterial hypertension medications. *Am J Health Syst Pharm*. [In press]

- Stuart M, **Smith ZR**, Payter K, et al. Pharmacist-driven discontinuation of antipsychotics started for ICU delirium: a quasi-experimental study. *J Am Coll Clin Pharm* 2020. [In press]

Awards

- **Lori Wilken**: Jesse Stewart Service Award, University of Illinois at Chicago College of Pharmacy.

Women's Health PRN

Promotions

- **Rebecca M. Castner**: Associate Professor of Clinical Sciences, Roosevelt University College of Pharmacy.
- **Audra Wilson**: Clinical Pharmacy Specialist (Tele-Women's Health), VISN 20 Clinical Resource Hub, Boise VA Medical Center.

Awards

- **Shareen El-Ibiary** and **Erin Raney** together with a team: Award of Excellence in Experiential Education from the American Association of Colleges of Pharmacy.
- **Lauren Lakdawala**: Distinguished Young Pharmacist Award 2019, Maryland Pharmacist Association.

Publications

- **Arellano R**, Ball J, **Mospan C**, **Patel J**. Hormonal contraception: from emergency coverage to long-term therapy. In: Covvey JR, Arya V, DiPietro Mager N, et al., eds. *Public Health in Pharmacy Practice: A Casebook*, 1st ed. Genesco, NY: Open SUNY Textbooks, 2020.
- **Leader LD**, **O'Connell M**, VandenBerg A. Brexanolone for postpartum depression: clinical evidence and practical considerations. *Pharmacotherapy* 2019;39:1105-12.
- **Stone RH**, Hur S, Young HN. Assessment of naloxone stock status in Georgia retail pharmacies. *J Am Pharm Assoc* (2003). 2019 Dec 19. [Epub ahead of print]
- **Stone RH**, **Rafie S**, **Shealy K**, **Griffin B**, et al. Pharmacist self-perception of readiness to prescribe hormonal contraception and additional training needs. *Curr Pharm Teach Learn* 2020;12:27-34.
- Ti A, **Stone RH**, Whiteman M, et al. Safety and effectiveness of hormonal contraception for women who use opioids: a systematic review. *Contraception* 2019;100:480-3.

New ACCP Fellows

- Lamis R. Karaoui
- Sally Rafie

Other Notable Achievements

- **Bartelme K, LaDisa A**: Conversations with health professions educators about their innovative teaching strategies: an interview with Dr. LaDisa and Dr. Bartelme! "Take two pills ... and listen to this podcast."
- **Alicia B. Forinash**: Selected to serve on an NIH task force on research specific to pregnant and lactating women.

2020 FUTURES GRANTS: NEW APPLICATION TIMELINE, GRANT ELIGIBILITY DIVISIONS, AND REVIEWS/ AWARDS BY RESEARCH TYPE



The 2020 ACCP Foundation Futures Grants program invites *student, trainee, and early-career ACCP members* to apply for developmental research grants. Futures Grants awards range from **\$5000 to \$40,000**, depending on applicant eligibility and budget approval. Up to \$100,000 in mentored, developmental research awards will be distributed through the Futures Grants program in 2020. To access detailed instructions about this grant award program, visit www.accpfoundation.org/futures.

The grant application portal will open May 15, 2020, and completed applications will be due no later than September 1, 2020. Grants will be reviewed and scored by the translational category of the research in addition to the applicant's eligibility level.

All applicants are required to complete a set of online eligibility questions before submitting an application. Applicant responses will provide an immediate determination of eligibility for the student/resident or junior investigator awards as well as access to the appropriate online application form. Responses to the eligibility questions and partly completed applications may be saved and completed later by retaining the return access code provided.

For questions, please contact:

Jessie Culley, Project Coordinator

ACCP Foundation

(913) 492-3311

E-mail: jculley@accp.com

Supported by the ACCP Foundation Frontiers Fund.

Call for Abstracts

[2020 ACCP Annual Meeting – October 24–27 – Dallas, Texas](#)

Important Dates:

Submission Deadlines

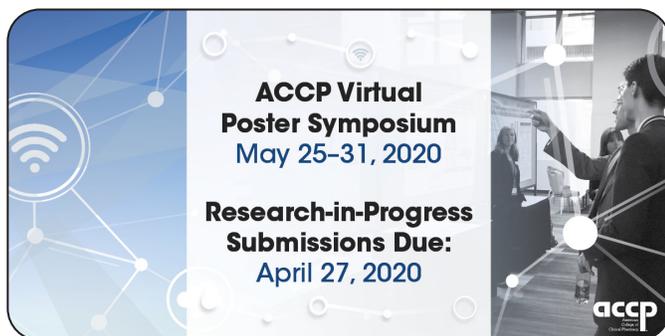
- June 15, 2020: Submission deadline for Original Research, Systematic Reviews/Meta-Analyses, Case Reports, Clinical Pharmacy Forum, and Advances in International Clinical Pharmacy Practice, Education, or Training abstracts.
- July 15, 2020: Submission deadline for Research-in-Progress abstracts (Students and Residents and Fellows).

Notification of Acceptance

- August 14, 2020: Authors will be notified of acceptance or declination no later than this date.

To review the complete submission instructions, guidelines, and review criteria, or to submit an abstract, visit www.accp.com/abstracts/2020abstracts/ on the ACCP website.

All abstracts accepted and presented by the designated presenting author, except for “Encore” and “Research-in-Progress” presentations, will have full-text abstracts published online in *JACCP*, an official journal of ACCP. Only the abstract title, authors, and original citation will be published for “Encore” presentations. All accepted abstracts will be published full-text in the ACCP Meeting app.



WASHINGTON UPDATE

ACCP-PAC Launches PAC Captains Program at 2019 ACCP Annual Meeting

As part of ACCP’s ongoing efforts to help members understand how the College’s Political Action Committee (PAC) helps advance ACCP’s strategic priorities beyond just its engagements on Capitol Hill, the ACCP-PAC Captains Program was formally launched at an invitation-only breakfast at the 2019 ACCP Annual Meeting in New York

City. The inaugural group of captains met with the aim of enhancing PRN engagement in ACCP-PAC and ultimately growing its PAC fundraising through the leadership of PRN PAC captains.

ACCP-PAC is a vital asset in ACCP’s ongoing initiative to integrate coverage for comprehensive medication management (CMM) services as part of value-based care models within Medicare and across other delivery systems. The PAC is the only means by which the College can make campaign contributions to help elect members of Congress who share this vision of a team-based, patient-centered, quality-focused approach to health care and recognize the need to get the medications right as part of this delivery system through coverage for CMM.

To learn more about ACCP-PAC, contact jmcglew@accp.com. Your financial support of ACCP advocacy initiatives through PAC donations is greatly appreciated as the College builds momentum for the PAC going into the 2020 election. [Click here](#) to contribute today!

GTMRx Policy Summit: “Get the Medications Right Summit: Innovations in Team-Based Care”

In April 2019, ACCP helped [lead the effort](#) to launch the groundbreaking [Get the Medications Right Institute \(GTMRx\)](#) – a multi-stakeholder initiative dedicated to advancing transformative health care policy that embraces coordinated, team-based, patient-centered care models that leverage technology and diagnostics breakthroughs and engage medication experts.

It has now been almost a year since ACCP provided the financial foundation to bring GTMRx to life. Since then, GTMRx has established four key work groups built around key foundational focus areas:

- Practice Transformation
- HIT & AI Support
- Payment & Policy Solutions
- Precision Medicine Enablement

Within this structure, 70 volunteers have committed over 500 hours to establishing core principles and strategies that will ultimately drive an effort to fix the trial-and-error approach to medication use that is costing 275,000 lives annually according to the journal [Annals of Pharmacotherapy](#).

On February 6, 2020, GTMRx held its policy summit as part of an exciting collaboration with the prestigious Bipartisan Policy Center for an event that brought together business, policy, and health care leaders who are at the forefront of delivery and payment models that support comprehensive medication management services.

[Get the Medications Right Summit: Innovations in Team-Based Care](#) was an all-day event that provided a platform for experts from across the entire health-delivery

continuum to provide updates and solicit input on collaborative, multi-stakeholder activities that encourage practice transformation, create pathways for dissemination of evidence and innovation, and encourage payment and policy reform.



ACCP Director, Strategic Initiatives Amie D. Brooks, Pharm.D., FCCP, BCACP, provides updates from the GTMRx Practice & Care Delivery Transformation Workgroup.

About the Bipartisan Policy Center

The Bipartisan Policy Center (BPC) is a Washington, D.C.–based think tank that actively fosters bipartisanship by combining the best ideas from both major political parties and applying them to policy solutions that are the product of informed deliberations by former elected and appointed officials, business and labor leaders, and academics and advocates who represent both sides of the political spectrum. BPC was founded by former Senate Majority Leaders Tom Daschle (D-SD), George Mitchell (D-ME), Howard Baker (R-TN), and Bob Dole (R-KS).

This partnership with GTMRx will provide unique opportunities to elevate the dissemination of evidence and innovation and encourage payment and policy reform to advance an evidence-based, systematic approach to medication use.

Anand Parekh, M.D., chief medical advisor, BPC, moderated the morning event and commented that the partnership with GTMRx was a perfect fit for BPC as the center looks to increase its recent efforts to build consensus in areas including the 21st Century Cures legislation and drug pricing discussion.

GTMRx Policy Summit Highlights

Part I of the policy summit opened with a keynote address from two well-known health policy leaders: Elizabeth Fowler, JD, Ph.D., executive vice president, programs, Commonwealth Fund, and Gregory Downing, D.O., Ph.D., founder, Innovation Horizons, LLC, and co-chair of Health Datapalooza.

Fowler is familiar with ACCP's longstanding effort to integrate coverage for comprehensive medication management (CMM) services into the Medicare benefit, dating back to her former work as chief health counsel to former Senate Finance Committee Chair Senator Max Baucus (D-MT). Fowler noted that the GTMRx message represents a long policy journey, with its roots in the establishment of the Medicare Part D drug benefit.

Next on the program, which included over 400 attendees in-person and online, was a panel discussion titled "Optimizing Medication Use in Team-Based Care: Making It Real," featuring:

- Susan Dentzer, MPH, senior policy fellow, Robert J. Margolis Center of Health Policy, Duke University (moderator)
- Carolyn Clancy, M.D., deputy under secretary for Discovery, Education and Affiliate Networks, Veterans Health Administration
- Jerry Greskovic, RPh, CACP, CDE, director, Ambulatory Pharmacy Programs, Geisinger
- Dan Rehrauer, Pharm.D., senior manager, Medication Therapy Management Program, HealthPartners

Clancy, a past ACCP Annual Meeting keynote speaker, commented on the challenges that the Veterans Health Administration (VHA) faces in confronting the opioid crisis and, at the same time, the improvements that clinical pharmacists are bringing to the quality of care through the innovative Patient Aligned Care Team (PACT), which brings together each veteran working with health care professionals to plan for whole-person care and lifelong health and wellness.

Part II of the event shifted to an invitation-only executive roundtable featuring workgroup reports from:

- Overview of Practice and Care Delivery Transformation Opportunities. Led by: Anthony Morreale, Pharm.D., MBA, FASHP, BCPS, associate chief consultant for clinical pharmacy services & policy, Pharmacy Benefits Management VACO.
- Overview of Payment & Policy Solutions to Ensure Appropriate and Personalized Use of Medication and Gene Therapies. Led by: Kathy Pham, Pharm.D., BCPPS, director of Policy and Professional Affairs at the American College of Clinical Pharmacy.

- Overview of HIT and AI Barriers and Opportunities to Support Optimized Medication Use. Led by: Bassel Abul-Hajj, MPH, lead data scientist, Medecision; and Molly J. Ekstrand, BPharm, BCACP, AE-C, medication optimization expert, North Star Medication Optimization, LLC; GTMRx Distinguished Fellow.
- Overview of Precision Medicine Enablement via Advanced Diagnostics. Led by: Steve Goldberg, M.D., MBA, vice president, medical affairs, population health, and chief health officer, Health & Wellness, Quest Diagnostics; and Jill Bates, Pharm.D., M.S., FASHP, BCOP, PHASer pharmacy program manager, Durham VA Health Care System; associate professor of clinical education, UNC Eshelman School of Pharmacy.

What Can We Expect Next from GTMRx?

It is no exaggeration to say that, in the history of the profession, GTMRx represents the single biggest investment in a comprehensive advocacy campaign to advance team-based medication optimization. The GTMRx workgroups now have formally established goals and charters to serve as the framework through which they will develop recommendations to be included in the GTMRx Blueprint for Change.

Want to learn more?

All ACCP members are invited to join GTMRx as individual members:

- [Click here to watch the GTMRx Summit stream](#)
- [Click here to get involved](#)
- [Click here to engage in GTMRx webinars](#)
- [Click here to subscribe to the weekly news brief](#)

Celebrating the ACCP-ASHP-VCU Congressional Healthcare Policy Fellow Program

In 1973, the American Association for the Advancement of Science (AAAS) launched its [Science & Technology Policy Fellowships](#) program, providing funding for outstanding scientists and engineers to learn firsthand about policy-making and contribute their knowledge and analytic skills in the policy realm through placement in offices on Capitol Hill. Since then, over 3000 policy leaders have graduated from this program who now work across academia, government, nonprofits, and industry to serve the nation and citizens around the world.

Among the graduates of the AAAS program was ACCP Past President Gary R. Matzke, Pharm.D., FCCP, FCP, FASN, FNAP, FAAAS. In 2003, Matzke served as an [AAAS fellow on the health policy team](#) of the Senate Health, Education, Labor, and Pensions (HELP) Committee, then chaired by Senator Judd Gregg (R-NH).

The impact of this enriching experience in Washington, D.C., laid the groundwork for a similar program specifically designed for pharmacists. Then, in 2006, together with ACCP's Dr. Ed Webb and leaders at ASHP and VCU, the American College of Clinical Pharmacy/American Society of Health-System Pharmacists/Virginia Commonwealth University Congressional Healthcare Policy Fellow program was launched.

The program year begins in July with an immersive introduction to policy program at the prestigious Brookings Institution in Washington, D.C. The fellow then spends 3 weeks each with ACCP's and ASHP's government affairs offices. During that time, the fellow secures placement in a congressional or committee office in the U.S. House of Representatives or Senate and serves on the health policy staff of that office for 12 months.

The 2019–2020 fellow, Kyle G. Robb, Pharm.D., currently holds the position of health policy advisor for the Minority Committee of the Senate HELP Committee. Before moving to Washington, D.C., Robb worked as a pharmacy supervisor with the University of Virginia Health System. He holds a Pharm.D. degree from the Eshelman School of Pharmacy at the University of North Carolina and bachelor's degrees in history and chemistry from North Carolina State University.

Robb took time out from preparing for a full hearing of the [Senate HELP Committee](#) related to coronavirus preparedness to chat with ACCP staff about his experience so far on Capitol Hill.

Q: What motivated you to get involved in health policy and apply for the program?

A: Before entering the program, I spent several years as an outpatient pharmacist at a large medical center. I interacted with a large and diverse population of patients and was always struck by how often treatment decisions were primarily dictated by insurance formularies and medication list prices rather than safety and efficacy. Ultimately, I felt that the best way to improve care for my patients was to work on crafting policies to make our nation's health care delivery system more equitable and sustainable while maintaining the highest levels of quality for everyone.

Q: How did you decide on the HELP Committee for your placement?

A: I'm particularly passionate about finding solutions to increase overall access to affordable health care and reduce the number of uninsured individuals. As the primary committee of jurisdiction for the Medicaid program as well as the Affordable Care Act (ACA), HELP is positioned to exert great influence over health policy. Furthermore, working on a committee affords more opportunities to participate in-depth in policy development and bipartisan, bicameral negotiations.

Q: We understand that there is no such thing as a typical day on Capitol Hill, but can you describe some of the activities you are engaged in as a Senate staffer?

A: Each week, I take several meetings with stakeholder constituents, including employers, trade associations, citizen advocates, and state/local government officials. At these meetings, we discuss constituents' policy priorities and/or their stance on legislation under consideration by the committee.

I often assist in drafting memos that summarize and analyze policy proposals as well as briefing memos to prepare the senator for important meetings with stakeholders and government officials. I also collaborate with the communications team to develop talking points and draft letters of correspondence to be signed by the senators.

Q: Because the program focuses on health policy in general – not just pharmacy policy – what are some key issues you are working on?

- Surprise Medical Billing/Air Ambulance Billing
- Medicaid, Individual Insurance Markets (ACA), and Overall Health Care Access
- Rural Health and Telemedicine
- Medication-Assisted Treatment for Substance Use Disorder (with a focus on rural populations and care delivered via telemedicine)

Q: Do you have any advice for a potential candidate?

A: Get strong patient care experience. No one expects you to be a policy expert on day 1. Pharmacists add value to a health policy team by understanding the needs of patients, and that's best accomplished through working directly with patients to deliver optimal care. The triumphs and struggles of each of your patients will reveal the successes – and gaps – within our health care delivery system.

Applications for 2021–2022 Pharmacy Healthcare Policy Fellow Program

Interested candidates should visit the Pharmacy Healthcare Policy Fellow program's website for more information and instruction on submitting an application. For more information, [click here](#).

STUDENT INITIATIVES UPDATE

2020 ACCP Student Chapter Awards – Applications Due June 30

ACCP presents two awards for student chapter members: the Outstanding Student Chapter and the Outstanding Student Chapter Member. These honors will be awarded annually. Application for each award is submitted as part

of the Annual Chapter Report and is due June 30, 2020. A description of each award follows.

Outstanding Student Chapter Award

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 activities of the chapter 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.

The 2020 Outstanding Student Chapter award recipient will be featured on the ACCP website, and an article highlighting the winning chapter's accomplishments will be published in *StuNews* and the *ACCP Report*. A commemorative plaque and \$1000 cash will be awarded to the winning chapter. The faculty liaison/adviser and one appointed student liaison from the winning chapter will receive complimentary full Annual Meeting registrations, and each will receive a \$250 travel stipend to attend.

Members of student chapters who wish to apply for the award must complete an application form as part of their end-of-the-year report, due June 30. As part of the application process, each chapter is required to submit a rationale statement (250 words or less) outlining the plan for using the \$1000 award funds, should this chapter be selected as the winner.

Outstanding Student Chapter Member

This award recognizes a student who has enhanced student involvement from his or her ACCP chapter at the local, state, or national level and who has expanded the presence of ACCP through community engagement, education promotion, research opportunities, and/or professional stewardship. The activities of the selected student should address ACCP's core values of extending the frontiers of clinical pharmacy and promoting dedication to excellence in patient care, research, and education.

Each chapter award recipient will receive a certificate suitable for framing and recognition in an *ACCP Report* article, a *StuNews* article, and the *Annual Meeting News*. In addition, student award winners in attendance at the award-year Annual Meeting will be recognized during the Clinical Pharmacy Challenge semifinal round of competition.

Each recognized student chapter will select its recipient for Outstanding Student Chapter annually and submit the winner's name to the ACCP national office as part of its year-end report, due June 30.

ACCP SNAC Now Accepting Applications for 2020–2021

Initiated as a working group in 2006, the National Student Network Advisory (SNAC) group became a standing committee of the College in 2007 whose members are appointed by the ACCP president-elect. The present committee serves in an advisory capacity to the ACCP Board of Regents and staff, providing feedback and assistance in developing new programs and services for students. Student members who are interested in serving on the ACCP SNAC, either as a member-at-large or in a leadership role, may apply for appointment. All applicants must submit a CV, a personal essay, and a letter of recommendation from a professor, a preceptor, or an academic dean or his or her designee. Application for appointment to the 2020–2021 SNAC is available online. Applications are due June 15, 2020.

POSTGRADUATE TRAINEE UPDATE

Residents, Fellows, and Graduate Students

All resident, fellow, and graduate student members of ACCP currently receive a monthly electronic newsletter titled *Experts in Training*. The 2020 Resident Advisory Committee has communicated with the PRNs to encourage their resident and fellow members to contribute regularly to the newsletter. The response has been very

positive, and the committee hopes to maintain these ongoing relationships with the PRNs. You may view the archives through the link above. If there are topics you'd like to see covered in future editions, submit your ideas to ksims@accp.com.

PRNs can also engage resident, fellow, and graduate students through Twitter and Instagram. Follow or tag ACCPpostgrads (@ACCPpostgrads) to engage in dialogue on professional development and clinical topics.

ACCP will offer resident/fellow-specific educational programming at the 2020 Annual Meeting in Dallas. Residents and fellows will also be able to speak to recruiters and preview early practitioner positions in the Professional Placement Forum. Consider representing your institution's residency, fellowship, or new practitioner position at the ACCP Annual Meeting Professional Placement Forum this fall.

ACCP resident and fellow members continue to benefit from the mentoring program. This year, 46 residents were matched with a mentor. Mentor/mentee pairs are encouraged to correspond at least monthly and are provided with timely topics of discussion. A call for mentors goes out each year in August.

The Resident Advisory Committee is a working group composed of residents, fellows, and graduate student members of ACCP. Applications for chair, vice chair, and member-at-large positions are due by June 15, 2020.

Call for Abstracts

Abstracts
Due June 15, 2020

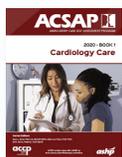
Research-In-Progress Abstracts
Due July 15, 2020

2020 ACCP Annual Meeting
October 24–27, 2020 + Sheraton Dallas + Dallas, Texas

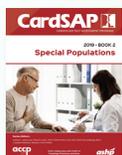
Recent Releases in ACCP's Self-Assessment Programs



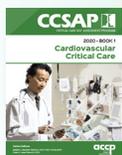
PSAP 2020 | Book 1
Critical and Urgent Care
Offers 20.5 BCPS Recertification Credits



ACSAP 2020 | Book 1*
Cardiology Care
Offers 17.5 BCACP Recertification Credits



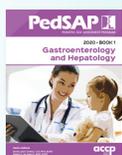
CardSAP 2019 | Book 2*
Special Populations
Offers 15.0 BCCP Recertification Credits



CCSAP 2020 | Book 1
Cardiovascular Critical Care
18.5 BCCCP Recertification Credits



IDSAP 2019 | Book 2*
Multidrug-Resistant Gram-Negative Infections
Offers 13.5 BCIDP Recertification Credits



PedSAP 2020 | Book 1
Gastroenterology and Hepatology
Offers 19.0 BCPPS Recertification Credits

Visit www.accp.com/store to purchase these titles and other ACCP publications.

* ACCP collaborates with ASHP on all ambulatory care pharmacy, cardiology pharmacy, and infectious diseases pharmacy activities.

PRN MEMBERSHIP TOTALS

PRACTICE AND RESEARCH NETWORKS	TOTAL
Adult Medicine PRN	894
Ambulatory Care PRN	1883
Cardiology PRN	1102
Central Nervous System PRN	224
Clinical Administration PRN	425
Critical Care PRN	2006
Drug Information PRN	247
Education and Training PRN	557
Emergency Medicine PRN	947
Endocrine and Metabolism PRN	292
Geriatrics PRN	299
GI/Liver/Nutrition PRN	182
Global Health PRN	136
Health Outcomes PRN	169
Hematology/Oncology PRN	691
HIV PRN	231
Immunology/Transplantation PRN	514
Infectious Disease PRN	1887
Nephrology PRN	168
Pain and Palliative Care PRN	280
Pediatrics PRN	836
Perioperative Care PRN	115
Pharmaceutical Industry PRN	229
Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN	307
Pulmonary PRN	86
Women's Health PRN	223
TOTAL:	14,930

PRN CHAIRS CONTACT INFORMATION

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

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