

# ACCP PRN Report

American College of Clinical Pharmacy

## American College of Clinical Pharmacy

Vol. 25, No. 1; April 2022

### PRESIDENT'S COLUMN

#### ***Springtime: A Season to SPRING Clinical Pharmacy Forward!***



**Leigh Ann Ross, Pharm.D., FCCP, FASHP, FAPhA, FNAP, BCPS**

Winter is fading and spring is starting to emerge! With the challenges faced by so many recently, this year's transition to *spring*, with its bright sun and gentle rains fostering new growth, seems more

refreshing and inspiring than ever. This is the time of year when those of us who recognize daylight savings time "spring forward" by setting forward our clocks 1 hour, allowing more light in the evening. For me, spring puts a little *spring* in my step, providing a burst of energy to accomplish more both physically and mentally. For ACCP, this spring in our step comes at the perfect time. Our work to develop, advance, and position clinical pharmacists in the current health care environment is under way, and our Board of Regents, practice and research networks (PRNs), committees, and task forces are making significant strides in achieving the goals set forth for this year. I am excited to share some ACCP highlights with PRNs that I hope will encourage and inspire them to think about additional ways to *spring* forward clinical pharmacy in their practice and research areas.

ACCP recently welcomed two new PRNs – the Health Equity PRN and the Community-Based PRN. The Health Equity PRN is focused on promoting equity across practice settings and facilitating educational, leadership, and research opportunities for those interested in reducing health disparities. I encourage you to follow the Health Equity PRN on Twitter at [@accpheqprn](https://twitter.com/accpheqprn) to learn more about the network and its current activities. Formation of this PRN aligns with ACCP's broad commitment to embrace diversity and inclusion and create a culture of belonging.

In addition to the activities of the Health Equity PRN, the ACCP Task Force on Diversity, Equity, and Inclusion will provide input to the Board of Regents this year on implementing the College's DEI plan, which will include recommendations regarding PRN engagement and communication. The Research Affairs Committee is developing an ACCP commentary to address opportunities for clinical pharmacists to pursue health disparities research. The work of these groups will help inform ACCP's DEI efforts and the DEI activities of each PRN. ACCP leadership welcomes your PRN's input as the College continues to implement the DEI plan.

The most recently formed PRN is the Community-Based PRN, which creates a home for ACCP members practicing in community settings. This PRN is currently focused on developing high-quality educational programming and supporting community-focused, practice-based research. Creation of this PRN was recommended by the ACCP-impaneled Community-Based Practice Advisory Panel and is in accordance with the direction of the College's Strategic Plan to support clinical pharmacy in community pharmacy settings. To further advance work in the community setting, one of this year's Clinical Practice Affairs committees is preparing a white paper that identifies and documents the outcomes of longitudinal collaboration between community- and clinic-based pharmacists.

I want to express my thanks to the inaugural and current officers of these two new PRNs – we are grateful for your leadership and willingness to pave the way for growth and future success in your respective areas of emphasis. We hope these formal networks will not only stimulate practice and research activities, but also provide opportunities for meaningful collaborations with other PRNs.

The presidential theme for this year is "Advocacy to Advance Our Profession!" In the President's Column of the [January ACCP Report](#), I highlighted key components of ACCP's advocacy platform and collaborative initiatives that are positioned to move the College's advocacy work forward. ACCP is actively engaged as a member of the

Joint Commission of Pharmacy Practitioners, contributing to the development of policies to guide the profession. ACCP also has leadership roles in coalitions promoting health care reform and medication optimization, such as the Get the Medications Right Institute and the Primary Care Collaborative. Every level of health care delivery has experienced the impact of the COVID-19 pandemic, and the profession has responded in an incredible way to this public health emergency. ACCP has worked collaboratively with other national pharmacy organizations on several joint statements, comments, and letters of support for pharmacy initiatives related to this public health emergency. Advocacy has never been more important, and I encourage each of you to learn more about the College's initiatives and how you and your PRN can advocate to advance and position clinical pharmacists to optimize care for the patients we serve. In 2019, ACCP launched the Political Action Committee (PAC) Captains Initiative, which identifies a leadership team to serve as liaisons to enhance communication between the PRNs and ACCP-PAC. This network of ACCP advocacy leaders provides a structure through which PRN members can engage to better understand how ACCP-PAC supports the College's broad advocacy strategy. I hope you will tap into these resources and explore ways to be involved in advocacy for our profession.

How exciting it will be to return to in-person meetings soon! The 2022 ACCP Spring Forum is scheduled for April 23–24 in St. Louis, and the 2022 ACCP Global Conference on Clinical Pharmacy will be held in San Francisco, October 15–18. I hope you will mark your calendars and start planning for an amazing time together for educational programming, networking, and in-person PRN activities at future ACCP meetings!

ACCP's PRNs are positioned at the heart of the College. Many thanks to each of you for your commitment to ACCP and your dedicated work to achieve the goals of your PRN and the College. As we transition to this new season, I encourage each PRN to continue to explore ways to *spring* clinical pharmacy forward in their respective practice and research areas. Like the lyrics from the famous Beatles tune, "It's been a long, cold, lonely winter. It feels like years since it's been here. [But] here comes the sun. And I say, it's all right." I hope each of you find this sun – and that it renews your commitment to the important work of your PRN and inspires you to explore new opportunities and collaborations. It is an honor to serve with you and other ACCP leaders, and I look forward to the successes ahead as we advocate for the future of our profession!

## PRNs Prepare for Elections

This spring, the ACCP PRNs begin the election process to determine who will serve as officers in the coming year. If you wish to run for office in your PRN or nominate a PRN member colleague for office, please contact your PRN's chair.

2022 PRN Election Timetable	
PRNs issue call for nominations	Spring
PRNs submit slate of candidates to ACCP	June 3
Electronic balloting opens; PRN members notified by e-mail	July 11
Electronic balloting closes	August 8
ACCP notifies PRNs of election results	August 12
PRNs notify candidates within 10 days after balloting closes	August 18

## Voting

As in previous years, PRN elections will be held online. PRN members will receive an email announcing the opening of balloting. Members will use their log-ins and passwords to access the ACCP website. Each member will then be able to access and cast a ballot for each PRN of which he or she is currently a member.

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

## ACCP Career Center

ACCP has been committed to excellence in clinical pharmacy practice, research, and education for more than 40 years and has an outstanding reputation for providing premier resources to advance clinical pharmacist careers. Whether you are thinking about taking the next step in your career or recruiting for your own clinical pharmacy team, the [ACCP Career Center](#) is ready to meet your needs.

The ACCP Career Center, powered by Madgex Job Board Technology, provides an intuitive searching experience on desktop and mobile devices. The center hosts searchable employer profiles and offers candidates relevant job search results and customizable job alerts.

Employers will find [diverse recruitment packages](#) to choose from that include publicizing their open positions on the ACCP webpage and within the *ACCP Report* and ACCP journal space. Position listings can also be advertised on ACCP's social media platforms and to specific PRNs. In 2021, positions with PRN upgrades received more than twice as many views and applications as in previous years. Employers will also want to create an employer profile to attract potential candidates. ACCP members will receive a 50% discount on all position listing packages and upgrades.

In addition to access to an [easily searchable list of open positions](#), job seekers can sign up for job alerts that meet their specifications. They can also create a profile and upload a curriculum vitae, allowing them to apply to open positions directly within the ACCP Career Center platform.

Moreover, the [ACCP Career Center](#) hosts a variety of career development resources: news, meetings, articles, and study materials. The ACCP Career Center is **the** place for clinical pharmacy career advancement.

## ACCP's Continued Focus on Diversity, Equity, and Inclusion

ACCP remains steadfast in its commitment to create and sustain a culture of diversity, equity, and inclusion (DEI). Embracing diversity and inclusion to fully achieve the College's mission is an ACCP core value and a strategic direction in the [2020 ACCP Strategic Plan](#), which underscores the prioritization of these initiatives. In December 2021, the [ACCP Strategic Diversity, Equity, and Inclusion Plan](#) was released. Informed by the College's DEI consulting firm, Ameli Global Partnerships; the ACCP membership baseline DEI assessment; and over 18 months of intensive professional development in DEI, the dynamic plan outlines the initial priorities, goals, and objectives for this ongoing work.

ACCP's baseline DEI member assessment, administered in June 2021, represents an early component of the DEI plan. Completed by 1000 ACCP members, the assessment yielded results that serve as a representative sample of demographics and inclusion experiences within the organization. A formal recorded presentation of assessment results is available to all ACCP members within

their respective accp.com account under "My Links."

Following is a sample of additional components of the DEI plan that are under way.

- The 2022 Task Force on DEI was impaneled and charged with providing input to the ACCP Board of Regents on implementing the DEI plan. The task force is currently working to increase the diversity of nominations for elected office, awards, and FCCP; provide guidance for PRNs on incorporating DEI principles into focus session programming, speaker selection, and nominations; create a plan to collect additional member demographics; and explore opportunities to learn more about member needs.
- The 2022 Member Relations Committee was impaneled and charged with developing a report to the Board of Regents on how ACCP might address barriers to under-represented individuals wishing to pursue careers in clinical pharmacy – emphasizing ways to reach, mentor, and engage students, trainees, and practitioners who may not yet be actively involved in (or familiar with) ACCP.
- The ACCP Code of Conduct was implemented with a requirement for members and nonmembers engaged in College activities to complete an attestation statement at least annually.

To ensure responsiveness and sustainability, ACCP will employ ongoing monitoring and revision of the DEI plan. A formal reassessment is scheduled for late 2022, and additional action plans will follow. Throughout, plan implementation and monitoring will be driven by the Board of Regents, the ACCP staff, and member engagement (e.g., 2022 Task Force on DEI, 2022 Member Relations Committee, and PRN leadership). Ongoing DEI efforts

## 2022 ACCP SPRING FORUM

**April 23–24, 2022**  
**University of Health  
Sciences & Pharmacy**  
**St. Louis, Missouri**

**REGISTER NOW**

**accp**

and results of informal and formal plan assessments will routinely be communicated to ACCP members.

Access the ACCP Strategic Diversity, Equity, and Inclusion Plan [here](#).

## 2022 Preparatory Review and Recertification Products for Home Study

ACCP will offer home study review and recertification courses in the following nine specialties in 2022:

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

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

Developed by leading board-certified pharmacists and therapeutic specialists, each course comprehensively reviews the domains outlined in the relevant specialty certification examination content outline developed by the Board of Pharmacy Specialties (BPS). All courses use a case-based approach, covering all key content areas, with a strong emphasis on the thought processes needed to solve patient care problems in each therapeutic area. Except for 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 of a professional development program that can be used as an alternative to the written recertification examination. Board-certified oncology pharmacists must complete the review course for recertification at least once, but no more than three times, in nonconsecutive years, during a 7-year recertification cycle. For all other specialties listed earlier, the respective course can only be completed for recertification credit up to two times, in nonconsecutive years, during the 7-year recertification cycle.

The 2022 home study review and recertification courses will be released according to the schedule that follows.

Preparatory Review and Recertification Course	Availability for Preparatory Review (2022)	Available for BPS Recertification Credit (2022)	Anticipated Credit (hours)
Pharmacotherapy	May 18	May 18	26.25
Ambulatory Care Pharmacy <sup>a</sup>	March 30	April 27	24.5
Cardiology Pharmacy <sup>a</sup>	June 22	June 22	(TBD; ~20)
Critical Care Pharmacy	May 18	May 18	21.25
Emergency Medicine Pharmacy <sup>a</sup>	June 15	N/A	(TBD; ~20)
Geriatric Pharmacy <sup>a</sup>	March 30	April 27	23.0
Infectious Diseases Pharmacy <sup>a</sup>	June 22	June 22	(TBD; ~25)
Oncology Pharmacy <sup>a</sup>	March 30	April 27	25.75
Pediatric Pharmacy	August 1	August 1	(TBD; ~23)
Solid Organ Transplantation Pharmacy <sup>a</sup>	July 13	N/A	(TBD; ~20)
<sup>a</sup> ACCP collaborates with ASHP on ambulatory care pharmacy, cardiology pharmacy, emergency medicine pharmacy, geriatric pharmacy, infectious diseases pharmacy, oncology pharmacy, and solid organ transplantation pharmacy activities. TBD = to be determined. For more information, visit <a href="https://www.accp.com/store/index.aspx">https://www.accp.com/store/index.aspx</a> .			



# 2022 ACCP Global Conference on Clinical Pharmacy

October 15–18, 2022  
Hilton San Francisco Union Square  
San Francisco, CA



## PRN NEWS BRIEFS

### Adult Medicine PRN

#### Promotions

- **Sarah Nisly:** Vice President, Outcomes & Clinical Impact, Clinical Education Alliance.
- **Ashley Otto:** Assistant Professor of Pharmacy, Mayo Clinic College of Medicine and Science.

#### Awards

- **Paul Boylan:** 2021 Most Collegial Faculty Member, University of Oklahoma College of Pharmacy, Department of Clinical and Administrative Sciences.
- **Alifiya F. Hyderi:** ICHP Shining Star Award, Illinois Council of Health-System Pharmacists.
- **Nicole Metzger:** Mentor Award 2021, ACCP Adult Medicine PRN.
- **Mate Soric:** Honorary Inductee, Rho Chi Delta Phi Chapter.
- **Jon P. Wietholter:** Top Poster finalist for Personality Type Impact on Second-Year Pharmacy Academic Performance in Integrated Systems-Based Therapy Courses, 2021 ACCP Annual Meeting.

#### Grants

- **Jennifer Austin Szwak:** TELE-TOC: Telehealth Education: Leveraging Electronic Transitions of Care for COPD Patients. Agency for Healthcare Research and Quality R01 Project Grant. Co-Investigator (\$1.9 million).

- **Paul Boylan:** Patterns of Care, Outcomes, and Barriers to Treatment Success or Vaccination Associated with Adult Community-Acquired Pneumonia in Medicaid. Pfizer. Co-Investigator (\$149,974; 20% effort).
- **Eliza Dy-Boarman:** Exploring Nomophobia in Doctor of Pharmacy Students amid the COVID-19 Pandemic. ACCP Education and Training PRN. Principal Investigator (\$1000).
- **Alex Ebied:** Teaching Pharmacy Students How to Interpret Electrocardiograms. Adult Medicine ACCP PRN Seed Grant. Principal Investigator (\$5000).
- **Sarah Kessler:** Defining the Future Research Grant, College of Psychiatric and Neurologic Pharmacists. Mentor.

#### Publications

- **Anderson SL, Trujillo JM.** Diabetes management: non-insulin therapies. In: McDermott MT, Trujillo JM, eds. Diabetes Secrets, 1st ed. Elsevier, 2022:68-76.
- Cabri A, Barsegyan N, Postelnick M, Nguyen V, **Austin Szwak J**, et al. Pharmacist intervention on prescribing errors: development of a standardized approach in the inpatient setting. Am J Health Syst Pharm 2021;78:2151-8.
- Cirbus K, Simone PA, **Austin Szwak J.** Rivaroxaban and apixaban for the treatment of suspected or confirmed heparin-induced thrombocytopenia. J Clin Pharm Ther 2022;47:112-8.

- O'Brien K, Badowski M, Bartoo AS, Peppard W, Schwarz K, Sharpe A, **Austin Szwak J**. Determining support for and barriers to pharmacist-driven research: results of a national survey. *J Am Coll Clin Pharm* 2021;4:1534-9.
- Thomas C, Mikat-Stevens N, Holland B, Jerger N, Kao CK, Kolek J, **Austin Szwak J**, et al. Reducing inpatient hypoglycemic events – a focus on meal-time insulin. *Clin Diabetes*. [In press]
- **Boylan PM**. Transitions of Care in Pharmacy Casebook, 160 pp, US \$49.95 (paperback), US \$37.49 (eBook), 1st ed. Bethishou L, Wooster J, On PC, eds. McGraw-Hill Education/Medical, 2021, ISBN: 978-1-260-47461-9 [book review]. *Curr Pharm Teach Learn* 2022;14:120-1.
- **Dy-Boarman E**, Von Hoff B, Janke KK. Scholarly maturation and other factors supporting publishing productivity in educational scholarship for clinical faculty. *Curr Pharm Teach Learn* 2021;13:1398-407.
- Isaacs AN, Steuber TD, Howard ML, **Dy-Boarman EA**, **Nisly SA**. Evaluating the impact of advanced pharmacy practice experience on student pharmacist metacognition. *Am J Pharm Educ* 2021;85:8676.
- Smith KJ, Cox CD, **Dy-Boarman E**, et al. Our priorities are not evolving, but our strategies are. *Am J Pharm Educ* 2021;85:8732.
- **Ebied AM**, Elmariah H, Cooper-DeHoff R. New drugs approved in 2021. *Am J Med*. [In press]
- Jessee JK, Miller A, **Ebied AM**. Beyond the classroom: an observational study to assess student pharmacists' confidence and perception of a high-fidelity manikin chemotherapy infusion reaction simulation. *J Pharm Technol* 2022 Jan 26. [Epub ahead of print]
- Folz HN, Gauld AR, **Ford BA**, et al. National survey of schools of pharmacy on prevalence and description of wellness initiatives. *Curr Pharm Teach Learn* 2021;13:1259-388.
- Holman SK, Folz HN, **Ford BA**, et al. Design and implementation of a pilot student wellness program at a school of pharmacy. *Curr Pharm Teach Learn* 2021;13:1471-7.
- **Gibson CM**, Hall C, Davis S, et al. Comparison of two escalated enoxaparin dosing regimens for venous thromboembolism prophylaxis in obese hospitalized patients. *J Thromb Thrombolysis* 2021;52:577-83.
- **Hyderi AF**, Racelis M. A comparison of patient outcomes using multimodal analgesia versus opioid-based pain medication in total joint arthroplasty. *Orthop Nurs* 2021;40:360-5.
- **Moore DC**. Bruton tyrosine kinase inhibitors for Waldenström macroglobulinemia: a review. *J Oncol Pharm Pract* 2021;27:1993-9.
- **Moore DC**, Elmes JB, Gebru T, et al. Implementation, utilization, and evaluation of a pharmacist-driven romiplostim dosing service for patients with immune thrombocytopenia at a multisite cancer centre. *J Oncol Pharm Pract* 2022 Jan 21. [Epub ahead of print]
- **Moore DC**, Soni AC, Hu B, et al. Rituximab, lenalidomide, and ibrutinib in relapsed/refractory primary cutaneous diffuse large B-cell lymphoma, leg type. *Br J Haematol* 2022;196:e30-e33.
- Arnall JR, Maples KT, Harvey RD, **Moore DC**. Daratumumab for the treatment of multiple myeloma: a review of clinical applicability and operational considerations. *Ann Pharmacother* 2021 Dec 28. [Epub ahead of print]
- Ciolek AM, Arnall J, **Moore DC**, et al. Eptacog beta for bleeding treatment and prevention of congenital hemophilia A and B with inhibitors: a review of clinical data and implications for clinical practice. *Ann Pharmacother* 2021 Oct 1. [Epub ahead of print]
- Crawford J, **Moore DC**, Morrison VA, et al. Use of prophylactic pegfilgrastim for chemotherapy-induced neutropenia in the US: a review of adherence to present guidelines for usage. *Cancer Treat Res Commun* 2021;29:100466.
- **Nisly SA**, Guzik B, Cunha A, et al. Concentrated learning experiences across two different health-systems. *Innov Pharm* 2021;12:20.
- **Nisly SA**, Mihm A, Gillette C, et al. Safety of direct oral anticoagulants in patients with mild to moderate cirrhosis: a systematic review and meta-analysis. *J Thromb Thrombolysis* 2021;52:817-27.
- Battise D, Bates S, **Nisly SA**. Assessing the impact of a journal club elective on literature evaluation performance. *Pharm Educ* 2021;21:356-61.
- Davis K, Sebaaly J, Wooten L, Khoulil C, Mihm A, **Nisly SA**. A multicenter retrospective evaluation of direct oral anticoagulants for the treatment of heparin-induced thrombocytopenia. *Am J Cardiovasc Drugs* 2022 Jan 18. [Epub ahead of print]
- Isaacs AN, Steuber TD, Howard ML, Dy-Boarman EA, **Nisly SA**. Evaluating the impact of advanced pharmacy practice experience on student pharmacist metacognition. *Am J Pharm Educ* 2021 Sep 10. [Epub ahead of print]
- Mihm AE, Hicklin HE, Cunha AL, **Nisly SA**, et al. Direct oral anticoagulants versus warfarin for the treatment of left ventricular thrombosis. *Intern Emerg Med* 2021;16:2313-7.
- Smith S, Sebaaly J, Brennan L, Haltom W, Meade L, **Nisly SA**. Accomplishing CAPE domain 3 during APPE rotations: student perceptions. *J Pharm Pract*

2021 Mar 19. [Epub ahead of print]

- Steuber TD, Isaacs AN, Howard ML, **Nisly SA**. Effectiveness of journal club versus clinical debate activities within pharmacy experiential education. *Am J Pharm Educ* 2022;86:8562.
- Rivera CG, **Otto AO**, Zeuli JD, et al. Hepatotoxicity of contemporary antiretroviral drugs. *Curr Opin HIV AIDS* 2021;16:279-85.
- Dang N, **Pon T**, Hellier Y. Pharmacy resident perspectives on the layered learning practice model. *Hosp Pharm* 2022 Jan 19. [Epub ahead of print]
- Lee A, Oley F, Lo M, Fong R, McGann M, Saunders I, Block S, Mahajan A, **Pon TK**. Direct oral anticoagulants or low-molecular-weight heparins for venous thromboembolism in patients with brain tumors. *Thromb Res* 2021;208:148-55.
- Johnson K, **Sawkin MT**. Experiences to date with the logistical management of long-acting cabotegravir and rilpivirine. *Drugs Context* 2022;11:2021-9-2.
- Watson RM, **Smith CB**, Crannage EF, et al. Examination of the effectiveness of direct oral anticoagulants in comparison to warfarin in an obese population. *J Pharm Technol* 2022;38:26-30.
- **Soric MM**. Study designs: design and application. In: Bernhardt MB, Blackmer A, Cox CL, et al., eds. *Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course*. American College of Clinical Pharmacy, 2021:827-56.
- **Stone AC**, Dungan K, **Gaborcik JW**. Insulin NPH for steroid-induced hyperglycemia: predictors for success. *Pharmacotherapy* 2021;41:804-10.
- **Wietholter JP**, Whetsel TR. Chronic obstructive pulmonary disease. In: *Pharmacotherapy Principles & Practice*, 6th ed. McGraw-Hill, 2022:chap 16.
- **Yates J**, Brown S, Vincent S, et al. Successful treatment of concomitant colitis and bacteremia due to *Clostridioides difficile*. *Ann Pharmacother* 2021 Dec 28. [Epub ahead of print]
- Brown S, McLoughlin J, Russ A, Casillas M, Buehler J, Heidel E, **Yates J**. Alvimopan retains efficacy in patients undergoing colorectal surgery within an established ERAS program. *Surg Endosc* 2022 Jan 18. [Epub ahead of print]

## Presentations

- **Sarah L. Anderson**: Don't argue with me – GLP-1 receptor agonists or SGLT2 inhibitors as first-line therapy for type 2 diabetes mellitus. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.  
A tale of two conditions: approaches to manage peripheral artery disease and resistant hypertension.

Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.

Going beyond the major research project: integrating pharmacy residents into scholarly pursuits.

Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.

- **Paul Boylan**: Managing transitions in COPD: a focus on multimorbidity. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting 2021; December 2021; virtual.
- **Shelby Brooks**: This is a safe space...I think! Creating a positive learning environment for experiential students. Presented at: ULM College of Pharmacy Preceptor Conference; October 2021; Monroe, LA.
- **Alifiya F. Hyderi**: Road to residency: the residency showcase and getting ready for interviews. Presented at: ICHP Fall Annual Meeting; September 2021; virtual.
- **Nicole Metzger** and **Carrie Tilton**: Managing medications in patients on dialysis. Presented at: Southern Hospital Medicine Conference; October 2021; Atlanta, GA.
- **Donald Moore**: Updates on immunotherapy and best pharmacy practice for multiple myeloma. Presented at: American College of Clinical Pharmacy/American Society of Health-System Pharmacy BCOP Clinical Session; December 15, 2021; home study.  
Drug interactions relevant in hematology/oncology patients. Presented at: Area Health Education Center (AHEC) 29th Annual Wilson Medical Center Pharmacy Continuing Education Symposium; November 11, 2021; virtual.  
Updates in the management of acquired thrombotic thrombocytopenic purpura. Presented at: Atrium Health Clinical Pharmacy Symposium; November 9, 2021; Charlotte, NC.  
New drug updates: investigational therapeutics in the pipeline. Presented at: JADPRO Live; October 16, 2021; virtual.  
Management of immune thrombocytopenia: examining new therapies and advancements in treatments – featuring a patient perspective. Presented at: Pharmacy Times Continuing Education Live Virtual Symposium; September 30, 2021; Cranbury, NJ.  
A review of the Bruton tyrosine kinase inhibitors in B-cell malignancies. Presented at: JADPRO Podcast; August 2021; virtual.
- **Tiffany Pon**: Flip this topic discussion. Presented at: ASHP National Pharmacy Preceptors Conference;

October 2021; virtual.

- **Mate Soric:** Study designs: design and application. Presented at: American College of Clinical Pharmacy Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course Webinar; November 2021; virtual.

#### Other Notable Achievements

- **Rizah Anwar Assadi:** BCPS
- **Alexandra Tatara:** Named Residency Program Director for Internal Medicine PGY2 Residency Program, Massachusetts General Hospital.

### Ambulatory Care PRN

#### Promotions

- **Michelle Balli:** Associate Professor of Pharmacy Practice, University of Arkansas for Medical Sciences College of Pharmacy.
- **Dave Dixon:** Chair and the Nancy L. and Ronald H. McFarlane Professor of Pharmacy, Department of Pharmacotherapy & Outcomes Science, VCU School of Pharmacy.
- **Roxane Took:** Clinical Pharmacy Specialist, SSM Saint Louis University Hospital.

#### Awards

- **Emily Ashjian:** Department of Clinical Pharmacy Faculty Preceptor of the Year, University of Michigan College of Pharmacy.
- **Julie Bartell:** Good Government Award, Pharmacy Society of Wisconsin.
- **Ifeanyi Egbunike-Chukwuma:** 2021 Leader of the Year, UMMC Midtown Campus.
- **Keri Hager:** Priester Culture of Health Award 2021, National Health Outreach.
- **Cassie Heffern:** AACP UMKC's Preceptor of the Year.
- **Kimmy Nguyen:** Distinguished Young Pharmacist Award, Pennsylvania Pharmacists Association.
- **Sonalie Patel:** Dr. A. Todd Davis Award for Extraordinary Care, Northwestern Medicine in Chicago.
- **Ann Philbrick:** Selected to the University of Minnesota Academy of Excellence in Clinical Practice.
- **Iain Pritchard:** 2021 Distinguished Young Pharmacist, VPhA.
- **Mate Soric:** Rho Chi Delta Phi Chapter Honorary Inductee, Northeast Ohio Medical University.
- **Lindsey Westerhof:** Second-place Poster Award for Ambulatory Care & Endocrine PRN Walk-Rounds, American College of Clinical Pharmacy Annual Meeting.

#### Grants

- **Chase Board:** Connecticut Health Foundation 2021 Health Equity Grant, Griffin Hospital (\$100,000).
- **Keri Hager:** Consultant, GA1RH39590 from U.S. Department of Health & Human Services Health Resources & Services Administration (HRSA) from 9/1/20 to 8/31/23 (\$1 million).
- **Diana Isaacs:** Dexcom Grant to study CGM in GDM. Primary Investigator (\$565,597).

#### Publications

- **Anderson SL, Trujillo JM.** Diabetes management: non-insulin therapies. In: McDermott MT, Trujillo JM, eds. Diabetes Secrets, 1st ed. Elsevier, 2022:68-76.
- **Ashjian EJ, Erickson SR, Walker PC, et al.** The impact of an early clinical experience on pharmacy student learning about ambulatory care practice. *Am J Pharm Educ* 2021;85:858118.
- **Moore A, Bartell JC.** Impact of professional continuous glucose monitors in an ambulatory clinic. *J Pharm Soc Wis* 2021;24(6):33-6.
- **Khaimova R, Fischetti B, Cope R, et al.** Serological response with Heplisav-B® in prior hepatitis B vaccine non-responders living with HIV. *Vaccine* 2021;39:6529-34.
- **Cornelison BR, Al-Mohaish S, Sun Y, et al.** Accuracy of Google Translate in translating the directions and counseling points for top-selling drugs from English to Arabic, Chinese, and Spanish. *Am J Health Syst Pharm* 2021;78:2053-8.
- **Cornelison BR, Zerr B.** Experiences and perceptions of pharmacy students and pharmacists with a community pharmacy-based objective structured clinical examination. *J Am Coll Clin Pharm* 2021;4:1085-92.
- **Dixon DL, Baker WL, Buckley LF, et al.** Effect of a physician/pharmacist collaborative care model on time in target range for systolic blood pressure: post hoc analysis of the CAPTION trial. *Hypertension* 2021;78:966-72.
- **Dixon DL, Sobieraj DM, Brown RE, et al.** A bibliometric analysis of peer-reviewed journal publications of pharmacy practice department chairs. *Am J Pharm Educ* 2021;85:8481.
- **Barry AR, Dixon DL.** Omega-3 fatty acids for the prevention of atherosclerotic cardiovascular disease. *Pharmacotherapy* 2021;41:1056-65.
- **Jay JS, Ijioma SC, Holdford DA, Dixon DL, et al.** The cost-effectiveness of pharmacist-physician collaborative care models vs usual care on time in target systolic blood pressure range in patients with hypertension: a payer perspective. *J Manag Care Spec Pharm* 2021;27:1680-90.



- Talasaz AH, Ho AJ, Bhatti F, Koenig RA, **Dixon DL**, et al. Meta-analysis of clinical outcomes of PCSK9 modulators in patients with established ASCVD. *Pharmacotherapy* 2021;41:1009-23.
- Talasaz AH, Sadeghipour P, Aghakouchakzadeh M, Dreyfus I, Kakavand H, Ariannejad H, Gupta A, Madhavan MV, Van Tassell BW, Jimenez D, Monreal M, Vaduganathan M, Fanikos J, **Dixon DL**, et al. Investigating lipid-modulating agents for prevention or treatment of COVID-19: JACC state-of-the-art review. *J Am Coll Cardiol* 2021;78:1635-54.
- Zheutlin AR, Derington CG, King JB, Berchie RO, Herrick JS, **Dixon DL**, et al. Factors associated with antihypertensive monotherapy among US adults with treated hypertension and uncontrolled blood pressure overall and by race/ethnicity, National Health and Nutrition Examination Survey 2013-2018. *Am Heart J* 2021 Oct 16. [Epub ahead of print]
- Schweiss SK, **Hager KD**, Moon JY, et al. Evaluating the evolution of philosophy of practice over post-graduate year 1 residency training. *J Am Coll Clin Pharm* 2021;4:1420-7.
- **Ip EJ**, Silva MD. Unsafe behaviors and anabolic steroid use. In: Patel VB, Preedy VR, eds. *Handbook of Substance Misuse and Addictions*. Springer, 2022.
- Barnett MJ, Doroudgar S, Khosraviani V, **Ip EJ**. Multiple comparisons: to compare or not to compare, that is the question. *Res Social Adm Pharm* 2022;18:2331-4.
- Barnett MJ, Khosraviani V, Doroudgar S, **Ip EJ**. A narrative review of using prescription drug databases for comorbidity adjustment: a less effective remedy or a prescription for improved model fit? *Res Social Adm Pharm* 2022;18:2283-300.
- Baumgartner L, Israel H, Wong T, Sasaki-Hill D, **Ip EJ**, et al. Performance on advanced pharmacy practice experiences after implementation of mock acute care patient simulations. *Curr Pharm Teach Learn* 2021;13:1572-7.
- Fuentes AV, Jacobs RJ, **Ip E**, et al. Coping, resilience, and emotional wellbeing in pharmacy students during the COVID-19 pandemic. *Ment Health Clin* 2021;11:274-8.
- **Long A, Salvo M**. Finerenone: a novel mineralocorticoid receptor antagonist for cardiorenal protection in CKD and T2DM. *Ann Pharmacother* 2022 Jan 12. [Epub ahead of print]
- **Martin MT**. Gastrointestinal disorders. In: Cardone KE, Crannage E, Durham SH, et al., eds. *Ambulatory Care Pharmacy Preparatory Review and Recertification Course*. American College of Clinical Pharmacy, 2022. [In press]
- **Martin MT**. Viral hepatitis C: the HCV-opioid syndemic. In: Schwinghammer TL, et al., eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 12th ed. McGraw-Hill. [In press]
- **Martin MT**, Chacra W. Transjugular intrahepatic portosystemic shunt. In: Hughes G, ed. *A Medication Guide to Internal Medicine Tests and Procedures*. Elsevier, 2022:257-60.
- **Martin MT**, Waring N, Naveed A. High real-world sustained virologic response rate with glecaprevir/pibrentasvir at a racially diverse urban academic medical center. *Gut Liver*. [In press]
- Patel S, **Martin MT**, Flamm SL. Sofosbuvir/velpatasvir/voxilaprevir for hepatitis C virus retreatment in decompensated cirrhosis. *Liver Int* 2021;41:3024-7.
- **McDanel D**, Hosch L, Pham K, et al. Relabeling of penicillin drug allergy after evaluation in a drug allergy clinic. *J Allergy Clin Immunol Pract* 2022;10:346-8.
- **Patel S**, Martin MT, Flamm SL. Sofosbuvir/velpatasvir/voxilaprevir for hepatitis C virus retreatment in decompensated cirrhosis. *Liver Int* 2021;41:3024-7.
- **Schumacher C**. A misdiagnosis of type 2 diabetes mellitus: using continuous glucose monitoring to improve patient-centered care. *J Am Pharm Assoc* 2022;62:281-4.
- **Schumacher C, Van Dril E**, Kliethermes MA. Cultivating best practices in care transitions through comprehensive medication management. *J Am Pharm Assoc* 2022;62:35-7.
- Nimer S, **Schumacher C**, Bolch C. Describing the application and barriers of pharmacist-led professional continuous glucose monitoring (CGM) in an ambulatory care setting. *J Am Coll Clin Pharm* 2021;4:1554-63.
- **Soric MM**. Study designs: design and application. In: Bernhardt MB, Blackmer A, Cox CL, et al., eds. *Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course*. American College of Clinical Pharmacy, 2021:827-56.
- **Stranges PM, Jarrett JB**. Medication counseling initiative on medication safety in kidney transplant patients [editorial]. *J Am Coll Clin Pharm* 2022;5:7-8.
- Manning BK, Rodriguez-Louis J, Shields JB, Coyne-Beasley T, Kaplan BM, Rand CS, Morales-Cosme W, Wechsler ME, Wisnivesky WP, White M, Yawn B, McKee MD, Busse PJ, Kaelber DC, Nazario S, Hernandez ML, Apter AJ, Chang K, Pinto-Plata V, **Stranges PM**, et al. A randomized, open-label, pragmatic study to assess reliever-triggered inhaled corticosteroid in African American/Black and Hispanic/Latinx adults with asthma: design and

methods of the PREPARE trial. *Contemp Clin Trials* 2021;101:106246.

- Patel K, **Stranges PM**, Bobko A, et al. Changes in postoperative inpatient and outpatient opioid utilization after pharmacist-led order set standardization and education for total knee and hip replacement at an academic medical center. *J Am Coll Clin Pharm* 2022;5:163-73.
- **Took RL**. Communication and Health Literacy. In: Bethishou L, On PC, Wooster J, eds. *Transitions of Care in Pharmacy*. McGraw-Hill, 2021:25-8.
- Prosser TR, **Took RL**. Evaluation of student pharmacists' competency to measure blood pressure in the clinical environment [abstract]. *J Am Pharm Assoc* 2021;61:e162.
- Prosser TR, **Took RL**, Vineyard G. Using quality improvement methodology to access and improve a blood pressure OSCE station [abstract]. *J Am Pharm Assoc* 2021;61:e5.
- Qu J, Zuo W, Wang S, Du L, Liu X, Gao Y, Li J, Pan H, Du X, Mei D, **Took RL**, et al. Knowledge, perceptions and practices of pharmacists regarding generic substitution in China: a cross-sectional study. *BMJ Open* 2021;11:e051277.
- **Van Dril E**, **Schumacher C**. Considerations for best practices related to sodium-glucose cotransporter-2 inhibitors and serum potassium levels. *Am J Health Syst Pharm* 2021;78:1367-8.
- Galanter W, Eguale T, Gellad W, Lambert B, Mirica M, Cashy J, Salazar A, Volk LA, Falck S, Shilka J, **Van Dril E**, et al. Personal formularies of primary care physicians across 4 health care systems. *JAMA Netw Open* 2021;4:e2117038.
- Grauer A, Kneifati-Hayek J, Reuland B, Applebaum JR, Adelman JS, Green RA, Lisak-Phillips J, Liebovitz D, Byrd TF, Kansal P, Wilkes C, Falck S, Larson C, Shilka J, **Van Dril E**, et al. Indication alerts to improve problem list documentation. *J Am Med Inform Assoc* 2021 Dec 27. [Epub ahead of print]
- Foreman BJ, **Westerhof L**, Benzer J, et al. Impact of order sentence implementation on outpatient antibiotic prescribing for urinary tract infection and skin and soft tissue infection. *J Am Coll Clin Pharm* 2021 Dec 8. [Epub ahead of print]

## Presentations

- **Anderson SL**, Marrs JC. Going beyond the major research project: integrating pharmacy residents into scholarly pursuits, Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.

- Farmer EK, Scales D, **Anderson SL**. Put a little PEP in your step! PreParing pharmacists to prescribe and monitor HIV prevention medications. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- Marrs JC, **Anderson SL**. A tale of two conditions: approaches to manage peripheral artery disease and resistant hypertension. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Clements J**, **Anderson SL**. Don't argue with me – GLP-1 receptor agonists or SGLT2 inhibitors as first-line therapy for type 2 diabetes mellitus. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- Cope K, DeMicco J, Salib J, Mina M, Yakoub P, Daoud K, **Cope R**. Three year retention rates with office-based treatment of buprenorphine for opioid use disorder in a private family medicine practice. Poster presented at: ASHP Midyear Virtual Clinical Meeting; December 2021; virtual.
- Gim S, Shtaynberg J, **Cope R**. Pharmacy intern involvement in COVID-19 immunization practices in New York State. Poster presented at: American Public Health Association Annual Meeting; October 24–26, 2021; Denver, CO.
- Lim A, Sasson E, **Cope R**, et al. Retrospective analysis of rivaroxaban prescribing in an inpatient setting at a community teaching hospital. Poster presented at: ASHP Midyear Virtual Clinical Meeting; December 2021; virtual.
- **Cornelison BR**, Backus D, Burns A. Virtually precepting rotation students. Presented at: Arizona Pharmacy Association; May 2021; virtual.
- **Cornelison BR**, Edwards CJ. Biostats 102 – application of biostats to the real world. Presented at: 2021 AzPA Annual Convention; June 2021; virtual.
- **Cornelison BR**, Zerr B. Over-the-counter treatment paradigms for pain management: adapting to the “new normal.” Presented at: Pharmacy Times Continuing Education Webinar & On Demand CE; October 2021; virtual.
- Cooley JH, Burns A, Backus D, **Cornelison BR**. Virtually precepting rotation students (as an encore presentation). Presented at: Centers for Disease Control and Prevention Pharmacists Work Group Annual Meeting; May 2021; virtual.
- **Hager KD**. Stop harming our patients: busting common myths and misconceptions about medications for opioid use disorder. Presented at: Minnesota Pharmacists Association Annual Learning and Networking Event; November 2021; virtual.

- **Hager KD**, Blue H, Palombi LC. Rising to meet the need: strategies to better support patients with mental health and substance use disorders across Minnesota. Presented at: Minnesota Pharmacists Association Annual Learning and Networking Event; November 2021; virtual.
- **Hager KD**, Latimore M, Villa J, et al. Medications for opioid use disorder (MOUD/MAT): talking with clients, families, and colleagues about facts versus fiction. Presented at: St Louis County Health and Human Services Conference; October 2021; Duluth, MN.
- Blue H, Van Deelen A, Elstad B, **Hager KD**. Cross-organizational, interprofessional effort to increase access to medication assisted treatment and other support for opioid use disorder from the emergency department setting. Presented at: Nexus Summit; October 2021; virtual.
- Merighi J, **Hager KD**, Cerda J, et al. Exploring collaborations between pharmacists and social workers: a qualitative study. Presented at: Nexus Summit; September 2021; virtual.
- Pereira C, **Hager KD**, Friedrich C, et al. An interprofessional pivot: converting a team-based ambulatory care workshop from in-person to virtual and lessons learned. Presented at: Nexus Summit; September 2021; virtual.
- **Kultgen M**:  
 Biologics and biomarkers: management of severe asthma. Presented at: ASHP Midyear 2021 Clinical Meeting and Exhibition; December 2021; virtual.  
 Managing daily care: directions for the future – patient characteristics based on calculated adherence to cystic fibrosis medications. Presented at: North American Cystic Fibrosis Conference; November 2021; virtual.
- **Murray BP**, Nwankwo S. Considerations for re-implementation of pharmacist-led diabetes management program in the correctional setting. Presented at: Maryland Pharmacists Association Midyear Meeting; February 2022; Columbia, MD.
- **Schumacher C**. Ours vs. theirs: professional vs. personal CGM and how to implement professional CGM into practice. Presented at: Association of Diabetes Care & Education Specialists 2021 Diabetes Technology Conference; December 2021; Chicago, IL.
- **Schumacher C**, **Isaacs D**, **Clements J**. How sweet it is: optimizing diabetes management with continuous glucose monitoring. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Schumacher C**, **Van Dril E**. The sugar showdown: debating approaches to selecting antihyperglycemic treatment options for type 2 diabetes. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Soric MM**. Study designs: design and application. Presented at: American College of Clinical Pharmacy Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course Webinar; November 2021; virtual.
- Hanson H, Shilka J, **Van Dril E**, et al. Implementation of a pharmacist-based clinical service for quality improvement. Presented at: Vizient Pharmacy at American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- Keller E, **Van Dril E**, Shilka J, et al. Effect of glucagon-like peptide-1 agonists and sodium-glucose cotransporter-2 inhibitors with cardiovascular benefit on COVID-19 prognosis in persons with type 2 diabetes. Presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- Papanikolla J, Bursua A, **Van Dril E**, et al. Evaluation of outpatient antibiotic prescribing in ambulatory medicine clinics. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- Bradshaw M, **Westerhof L**, Barlow G. Evaluation of antidepressant and benzodiazepine prescribing for anxiety disorder treatment in the primary care setting. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.

#### New ACCP Fellows

- **Benjamin N. Gross**
- **Nathan A. Painter**
- **Lalita Prasad-Reddy**
- **Paul M. Stranges**
- **Maria Miller Thurston**

#### Other Notable Achievements

- **Marissa Salvo**: President, Connecticut Pharmacists Association.
- **Caressa Trueman**: BCACP

#### Cardiology PRN

##### Promotions

- **Jim Coons**: Professor, University of Pittsburgh School of Pharmacy.
- **Nicholas Schwier**: Assistant Dean for Experiential Education & Clinical Associate Professor, SUNY Binghamton University School of Pharmacy & Pharmaceutical Sciences.

## Awards

- **Bassam Atallah:** ACCP Cardiology PRN International Award. Shenandoah University Bernard J. Dunn School of Pharmacy Graduate of the Last Decade Award.
- **Jim Coons:** ASHP Pharmacy Residency Excellence Preceptor Award.
- **Courtney Montepara:** ACCP Cardiology PRN Junior Investigator Award.

## Grants

- **Jim Coons:** An Innovative Medication Optimization Clinic to Enhance Outcomes for Patients with Heart Failure. ASHP Foundation and American Nurses Foundation Collaborative Care Grant for Nurses and Pharmacists (\$75,000).
- **Trenton Flanagan, Nicholas Schwier:** Effect of Endotoxemia on Colchicine Plasma Levels. ACCP Foundation Futures Grant (\$5000).

## Publications

- El Nekidy WS, Almuti K, ElRefaei H, **Atallah B**, et al. QT prolongation in critically ill patients with SARS-CoV-2 infection. *J Cardiovasc Pharmacol Ther* 2022;27:10742484211069479.
- **Beavers CJ, DiDomenico RJ, Dunn SP, Cox JF, Long T, Weeks P, Trujillo TC, Jennings DL.** Optimizing anticoagulation for patients receiving Impella support. *Pharmacotherapy* 2021;41:932-42.
- **Coons JC**, Miller T. Bridging anticoagulant therapy. In: Jackevicius C, Patterson JH, eds. *Cardiology Self-Assessment Program*, 2021 Book 2. Arrhythmias and Thrombosis. American College of Clinical Pharmacy, 2021:125-44.
- **Fischer K**, Diec S. Once- versus twice-daily angiotensin-converting enzyme inhibitors for blood pressure control in adult patients with hypertension. *Cureus* 2021;13:e17331.
- Cooke CE, Xing S, **Gale SE**, et al. Initial non-adherence to antihypertensive medications in the United States: a systematic literature review. *J Hum Hypertens* 2022;36:3-13.
- Pincus KJ, Blackman AL, Suen SY, Devanhakthuni S, **Gale SE, Noel ZR**, et al. Statin gap in patients living with HIV: assessing dose appropriateness. *HIV Med* 2021;22:917-23.
- **Gibson CM**, Hall C, Davis S, et al. Comparison of two escalated enoxaparin dosing regimens for venous thromboembolism prophylaxis in obese hospitalized patients. *J Thromb Thrombolysis* 2021;52:577-83.
- **Kido K, Colvin K**, Broschius R, et al. Economic impact of ambulatory clinical pharmacists in an advanced heart failure clinic. *Ann Pharmacother* 2022 Feb 15. [Epub ahead of print]

- **Lee CR**, Luzum JA, Sangkuhl K, et al. Clinical pharmacogenetics implementation consortium guideline for *CYP2C19* genotype and clopidogrel therapy: 2022 update. *Clin Pharmacol Ther* 2022 Jan 16. [Epub ahead of print]
- Mulrenin IR, Garcia JE, Fashe MM, Loop MS, Daubert MA, Urrutia RP, **Lee CR**. The impact of pregnancy on antihypertensive drug metabolism and pharmacokinetics: current status and future directions. *Expert Opin Drug Metab Toxicol* 2021;17:1261-79.
- **Ng TMH**, Oh EE, Bae-Shaaw YH, et al. Acute bacterial infections and longitudinal risk of readmissions and mortality in patients hospitalized with heart failure. *J Clin Med* 2022;11:740.
- Reddy PKV, Chau E, Patel SV, O'Meara K, Yang K, Tungate R, **Ng TMH**, et al. Characteristics of methamphetamine-associated cardiomyopathy and the impact of methamphetamine use on cardiac dysfunction. *Am J Cardiol* 2021;154:86-91.
- Jagielski SM, **Noel ZR, Gale SE, Cain J, Macaulay TE**. An inter-institutional PharmD elective course and qualitative analysis exploring student engagement and collaboration. *Curr Pharm Teach Learn* 2022 Feb 8. [Epub ahead of print]
- **Reed BN, Gale SE**, Martinelli A, et al. Personality: a potentially untapped resource in the selection of pharmacy residents. *Am J Health Syst Pharm* 2021 Nov 27. [Epub ahead of print]
- **Schumacher C**, Van Dril E, Kliethermes MA. Cultivating best practices in care transitions through comprehensive medication management. *J Am Pharm Assoc* 2022;62:35-7.
- **Sheridan EA**, Sekela M, Pandya K, Schadler A, **Ather A**. Comparison of bivalirudin versus unfractionated heparin for anticoagulation in adult patients on extracorporeal membrane oxygenation. *ASAIO J* 2021 Oct 19. [Epub ahead of print]
- **Starr JA**, Pinner NA, Manis M, et al. A review of direct oral anticoagulants in patients with stage 5 or end-stage kidney disease. *Ann Pharmacother* 2021 Aug 29. [Epub ahead of print]
- **Van Tuyl JS, Rodgers JE**. Interactive case: acute decompensated heart failure. In: Boucher BA, Haas CE, eds. *Critical Care Self-Assessment Program*, 2021 Book 2. Acute Organ Dysfunction and Special Populations. American College of Clinical Pharmacy, 2021:203-10.
- **Yeung SL**, Vu CA, Wang M, Lou M, **Ng TMH**. Prevalence of and incentives for board certification among hospital pharmacy departments in California. *Am J Health Syst Pharm* 2021 Dec 23. [Epub ahead of print]



## Other Notable Achievements

- **Alice Chen:** BCCP
- **Rachael Eaton:** BCCP
- **Michael Ezebuonyi:** BCCP
- **Caitlin Gibson:** BCCP
- **Rachel Klosko:** BCCP
- **Jeff Langford:** BCCP
- **David Silva:** BCCP

## Central Nervous System PRN

### Promotions/New Positions

- **Chad VanDenBerg:** Director of Clinical Research Services, Midwestern University, Glendale, AZ.

### Grants

- **Brittany Parmentier:** Evaluation of Cannabidiol (CBD) Products and Their Use in the East Texas Community, Edna Walsh Research Grant (\$50,000).
- **Logan Smith:** Prevalence of Impostor Phenomenon Among Graduate Students in Pharmacy and Counseling Psychology, Defining the Future Grant from the College of Psychiatric and Neurologic Pharmacists (CPNP) (\$1500).

### Publications

- **Bishop JR, Zhang L, Lizano P.** Inflammation subtypes and translating inflammation-related genetic findings in schizophrenia and related psychoses: a perspective on pathways for treatment stratification and novel therapies. *Harv Rev Psychiatry* 2022;30:59-70.
- **McGrane IR, Munjal RC, Skaug SL, et al.** Successful electroconvulsive therapy after failed pharmacotherapies in an older female on hemodialysis with bipolar mania. *Bipolar Disord* 2022 Feb 14. [Epub ahead of print]
- **Loskutova NY, Lutgen C, Smail C, Staton EW, Nichols SD, et al.** Stimulant prescribing error assessment rubric development. *J Patient Saf* 2022;18:e282-e289.
- **Siddiqui M, Piserchio J, Patel M, Park J, Foster M, Desrosiers CE, Herbert J, Nichols SD, et al.** Examination of multiple drug arrests reported to the Maine Diversion Alert Program. *Forensic Sci Med Pathol* 2022 Jan 30. [Epub ahead of print]
- **Parmentier B, McCormick A, O'Donnell C.** Expanding the pharmacists' role: assessing mental health and suicide. In: Covvey JR, Arya V, DiPietro Mager N, et al., eds. *Public Health in Pharmacy Practice: A Casebook*, 2nd ed. Milne Open Textbooks, 2021:chap 36.

- **Barton CA, Oetken HJ, Hall NL, Webb AJ, et al.** Incidence of traumatic intracranial hemorrhage expansion after stable repeat head imaging: a retrospective cohort study. *Am J Surg* 2022 Feb 4. [Epub ahead of print]
- **Zhang L, Hill SK, Guo B, et al.** Impact of polygenic risk for coronary artery disease and cardiovascular medication burden on cognitive impairment in psychotic disorders. *Prog Neuropsychopharmacol Biol Psychiatry* 2022;113:110464.

## Clinical Administration PRN

The PRN has a robust year planned for the 2022 ACCP Global Conference on Clinical Pharmacy, including recruitment options, onboarding of personnel, and succession planning. The PRN offers travel stipends for its student and resident members and is also offering funding assistance for a PRN member selected for a FIT/MeRIT fellowship.

### Awards

- **Dan Abazia:** American College of Clinical Pharmacy Clinical Administration PRN Award.
- **Tyler Vest:**  
American Society of Health-System Pharmacists Distinguished Service Award.  
North Carolina Association of Pharmacists Distinguish Young Pharmacist Award.

### Publications

- **Achey TS, Robertson AT.** Conscientious objection: a review of state pharmacy laws and regulations. *Hosp Pharm* 2021 Jun 11. [Epub ahead of print]
- **Azad A, Levy J, Kefer E, et al.** The impact of a pharmacy student-led community naloxone education program in high school, college, and pharmacy students on knowledge, preparedness, and responsiveness in the event of an opioid overdose. *J Am Coll Clin Pharm* 2022 Jan 7. [Epub ahead of print]
- **Greene EM, Greene N, Greene WL.** Addressing the burden of student loan debt: a case-based review of influencing considerations. *Am J Health Syst Pharm* 2021;78:2216-24.
- **Komorny K, Roux R, Bartel S, Golf M, Greene W, et al.** NCCN white paper. NCCN Pharmacy Directors Forum recommendations on operationalizing the safe and efficient use of biosimilars in the clinical setting. National Comprehensive Cancer Network, 2021.
- **Lubas MM, Mandrell BN, Greene WL, et al.** A randomized double-blind placebo-controlled trial of the effectiveness of melatonin on neurocognition and sleep in survivors of childhood cancer. *Pediatr Blood Cancer* 2022;69:329393.

- **Temple-Cooper ME**, Smith M. Care and pharmacotherapy of the critical care obstetric patient. In: Boucher BA, Hass CE, eds. *Critical Care Self-Assessment Program*, 2021 Book 2. Acute Organ Dysfunction and Special Populations. American College of Clinical Pharmacists, 2021:141-73.
- Hansen R, Brown P, **Temple-Cooper M**, et al. Puerperium stroke and subsequent tissue-type plasminogen activator-induced hemorrhage: a case report. *A Pract* 2021;15:e01459.
- **Vest TA**, Amerine LB, Savage SW, et al. Effectiveness and impact of a structured research approach for health-system pharmacy administration and leadership residents. *Am J Health Syst Pharm* 2021;78:229-34.
- **Vest TA**, Gazda NP, Schenkat DH, et al. Practice-enhancing publications about the medication use process in 2019. *Am J Health Syst Pharm* 2021;78:141-53.
- **Vest TA**, Ivey MF. An experience encouraging education and training for pharmacy learners in the care of older, critically ill, and end of life patients. *Am J Health Syst Pharm* 2021;78:1371-3.
- **Vest TA**, Simmons A, Morbitzer KA, et al. Decision-making framework for an acute care clinical pharmacist productivity model: part 1. *Am J Health Syst Pharm* 2021;78:1402-9.
- Burnworth MJ, Donley K, Hertig JB, Lee J, Lee Y, Little JD, **Vest TA**. Pandemic and beyond: policy and advocacy matters. *Am J Health Syst Pharm* 2021;78:1268-9.
- Eason BE, **Vest TA**, Neal HD, et al. Evaluation and enhancement of a comprehensive controlled substances management process at an academic medical center. *J Pharm Pract* 2021 Jun 16. [Epub ahead of print]
- Ivey MF, **Vest TA**, Zilz DA. Increased education and training needed for pharmacy learners in the care of older, critically ill, and end-of-life patients. *Am J Health Syst Pharm* 2021;78:1336-40.
- Simmons A, **Vest TA**, Cicci J, et al. Formation and validation of an acute care clinical pharmacist productivity model: part 2. *Am J Health Syst Pharm* 2021;78:1410-6.
- Cowey CK, **Wilson E**. A retrospective analysis of the impact of a hospital pharmacist-led procalcitonin protocol. *Am J Health Syst Pharm* 2022;79:239-43.

## Critical Care PRN

### Promotions

- **Eric W. Mueller:**  
Adjunct Professor of Pharmacy Practice and Administrative Sciences, University of Cincinnati, James L. Winkle College of Pharmacy.

Contributor and Manager, UC Health COVID Vaccination Team, University of Cincinnati.

- **Kerilyn Petrucci:** PGY2 Critical Care Residency Program Coordinator, University of Chicago Medicine.
- **Nicole Reardon:** Clinical Pharmacy Manager, North Florida Regional Medical Center.

### Awards

- **Mitchell Buckley:** 2021 Achievement Award, ACCP Critical Care PRN.
- **Melanie Condeni:** Congress Scholarship Grant, Society of Critical Care Medicine, Surgery Section.
- **Chris Droege:** Gold Research Award Certificate of Achievement (Co-Investigator), Society of Critical Care Medicine.
- **Amy Dzierba:** 2021 Research Award, ACCP Critical Care PRN.
- **Christy Forehand:**  
2021 Clinical Practitioner Award, ACCP Critical Care PRN.  
2021 Hospital Quality Award, Augusta University Medical Center.
- **Krystal Haase:** 2021 Education Award, ACCP Critical Care PRN.
- **Jaclyn Hawn:** 2021 Publication of the Year, Primary Investigator, ACCP Critical Care PRN.
- **Sara Jordan Hyland:** 2021 Practice Research Award, Ohio Society of Health-System Pharmacists.
- **Christian Kroll:** 2021 Resident/Fellow of the Year, ACCP Critical Care PRN.
- **Rob MacLaren:** Master of Critical Care Medicine (MCCM), American College of Critical Care Medicine.
- **Eric W. Mueller:** 2021 PRIDE Award, UC Health.
- **Brian Murray:** 2021 Mentor of the Year, ACCP Critical Care PRN.
- **Megan Rech:** 2021 Presidential Citation Award, Society of Critical Care Medicine.
- **Gretchen Sacha:** 2021 Publication of the Year, Senior Author, ACCP Critical Care PRN.
- **Susan Smith:** Junior Investigator of the Year, ACCP Critical Care PRN.
- **Jen Tharp:** 40 Under Forty, *Business Journal of Tri-Cities TN/VA*.

### Grants

- **Christine Groth:** Comparison of intensive care unit liberation bundle adherence prior to and during the COVID-19 pandemic: a retrospective cohort study. ACCP Critical Care PRN PGY2 Resident Research Grant. Co-Investigator (\$1500).
- **Eric W. Mueller:** ACCP Critical Care PRN Research Grant (Harlan-Schuman S, et al.). Co-Investigator (\$5000).

- **Susan Smith, Trisha Branan:** Pharmacokinetic analysis of IV push cefepime in critically ill patients with sepsis. ACCP Critical Care PRN Member Scholarship. Primary Investigator Susan Smith; Co-Investigator Trisha Branan (\$7500).
- **Zach Smith:** Ambrisentan provided from a health-system specialty pharmacy: improving coordination of care. Shields Health Solutions Residency Research Grant. Co-Investigator (\$5000).

## Publications

- **Acquisto NM,** Beavers CJ, **Bolesta S, Buckley MS,** Dobbins KF, **Finch CK,** Hayes SM, Holdren DB, Johnson ST, **Kane-Gill SL,** et al. Development and application of quality measures of clinical pharmacist services provided in inpatient/acute care settings. *J Am Coll Clin Pharm* 2021;4:1601-17.
- Haines S, Kelley K, Eiland LS, **Allen JM,** Howard ML, Nealy KL, Ball J, Bell A, Schoen RR, **Smith SE.** Mentorship in a professional pharmacy association: a tale of two programs. *J Fac Dev.* [In press]
- **Bissell BD,** Campbell J, Collins R, **Cook C,** Desai D, DeWitt J, Eche IM, Eche IJ, Elsamadisi P, Juul J, Kim SM Makowski C, Mylvaganam R, **Smith A,** Stancati J, Stonsifer K, Tawil J, **Condeni MS.** Major publications in the critical care pharmacotherapy literature: 2020. *Crit Care Explor* 2021;3:e0590.
- **Bissell BD, Johnston JP, Smith RR, Newsome AS, Thompson Bastin ML,** Abdul-Mutakabbir J, Barlow A, Barlow B, **Berger K,** Crow JR, **Dixit D, Jacobi J,** Karaoui LR, **Kiser TH,** Kolesar J, Koontz SE, Mattingly TJ, Mitchell C, Nilges A, **Rech MA, Heavner MS.** Gender inequity and sexual harassment in the pharmacy profession: evidence and call to action. *Am J Health Syst Pharm* 2021;78:2059-76.
- **Bolesta S,** Berger A, Black E, et al. Disease and medication burden of medically complex adolescents seen in an interdisciplinary transitional care clinic. *J Pediatr Rehabil Med* 2021;14:605-12.
- Garcia MA, Johnson SW, Bosch NA, Sisson EK, Sheldrick CR, Kumar VK, Boman K, **Bolesta S,** et al. Variation in use of repurposed medications among patients with coronavirus disease 2019. From the Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study: Coronavirus Disease 2019 Registry Investigator Group. *Crit Care Explor* 2021;3:e0566.
- Engstrom K, **Brown CS,** Ubl D, et al. Characteristics of opioid prescribing in non-surgical medicine patients with acute pain at hospital discharge. *J Gen Intern Med* 2022;37:565-72.
- **Buckley MS, Smithburger PL, Wong A,** Fraser GL, Reade MC, Klein-Fedyshin M, Ardiles T, **Kane-Gill SL.** Dexmedetomidine use in facilitating extubation in mechanically ventilated patients with ICU delirium or agitation: systematic review and meta-analysis. *J Intensive Care Med* 2021;36:925-36.
- **Buckley MS,** Komerdelj IA, D'Alessio PA, Rangan P, Agarwal SK, Tinta NC, Martinez BK, Ziadat DS, Yerondopoulos MJ, Kobic E, **Kane-Gill SL.** Vancomycin with concomitant piperacillin/tazobactam vs. cefepime or meropenem associated acute kidney injury in the critically ill: a multicenter propensity score-matched study. *J Crit Care* 2022;67:134-40.
- Johnston MM, Huang V, Hall ST, **Buckley MS,** Bikin D, **Barletta JF.** Optimizing outcomes using vancomycin therapeutic drug monitoring in patients with MRSA bacteremia: trough concentrations or area under the curve? *Diagn Microbiol Infect Dis* 2021;101:115442.
- **Cole J, Smith S.** A multifaceted stewardship intervention helps curb steroid overprescribing in hospitalized patients with acute exacerbations of COPD. *J Health Syst Pharm* 2021 Dec 4. [Epub ahead of print]
- Stark J, **Cole J,** Barnes L, **Chapman A,** et al. Implementation of a novel learning experience in scientific writing, publishing, and peer review into a first year pharmacy practice residency. *J Am Pharm Assoc (2003)* 2021 Nov 17. [Epub ahead of print]
- Stark J, **Cole J,** Garzarian R, Klass M. Impact of glucagon-like peptide-1 receptor agonists (GLP-1RA) on food content during esophagogastroduodenoscopy (EGD). *Ann Pharmacother* 2021 Nov 2. [Epub ahead of print]
- Beavers CJ, DiDomenico RJ, Dunn SP, **Cox JF,** Long T, Weeks P, **Trujillo TC,** et al. Optimizing anticoagulation for patients receiving Impella support. *Pharmacotherapy* 2021;41:932-42.
- **Cucci MD,** Chester KW, **Hamilton LA.** Concise definitive review for re-initiation of antidepressants, antipsychotics, and gabapentinoids in ICU patients. *Crit Care Med* 2022 Jan 5. [Epub ahead of print]
- **Droege CA,** Ernst NE, Foertsch MJ, Bradshaw PG, Globke AE, Gomaa D, Tsuei BJ, **Mueller EW.** Assessment of serum accumulation of inhaled tobramycin in patients treated for ventilator-associated pneumonia: a retrospective analysis. *Respir Care* 2021 Nov 23. [Epub ahead of print]
- **Droege CA, Mueller EW.** Practicing evidence-based medicine and clinical pathway development. In: Boucher BA, Haas CE, eds. *Critical Care Self-Assessment Program, 2020 Book 2: Issues in*

Critical Care Practice. American College of Clinical Pharmacy, 2020:85-115.

- Al-Shaer M, Philpott C, **Droege CA**, Courter J, Healy DP, **Droege ME**, Ernst NE, **Mueller EW**, et al. Cefepime population pharmacokinetics and target attainment in critically ill patients on continuous renal replacement therapy. *Antimicrob Agent Chemother* 2021;65:e00144-21.
- Singer KE, Sussman JE, Winer LK, Heh V, Hanseman D, Nomellini V, Pritts TA, **Droege CA**, et al. Hitting the vasopressor ceiling: finding norepinephrine associated mortality in the critically ill. *J Surg Res* 2021;265:139-46.
- **Droege ME**, **Droege CA**, Philpott CD, Webb ML, Ernst NE, Athota K, Wakefield D, Dowd JR, Gomaa D, Robinson BHR, Hanseman D, Elterman J, **Mueller EW**. Impact of antithrombin III and enoxaparin dosage adjustment on prophylactic anti-Xa concentrations in trauma patients at high risk for venous thromboembolism: a randomized pilot trial. *J Thromb Thrombolysis* 2021;52:1117-28.
- **Droege ME**, Gerwin Rhoades A, **Droege CA**, Mosher DR, Swomley AM, Ernst NE, **Mueller EW**. Clinical experience, characteristics, and performance of an acetaminophen absorption test in critically ill patients. *Am J Ther* 2021 Aug 10. [Epub ahead of print]
- **Droege ME**, Rhoades A, **Droege CA**, Mosher D, Swomley A, Ernst NE, **Mueller EW**. Clinical experience, characteristics, and performance of an acetaminophen absorption test in critically ill patients. *Am J Ther* 2021 Aug 10. [Epub ahead of print]
- **Droege ME**, Stacy ES, Guido MR, Alhayani T, Keegan SP, Miller AM, McKinney KC, Morris PA, Parrish NJ, Reinstatler KM, Takieddine SC, Vora AM, Warner AR, Waters GE, **Mueller EW**. Characterization and evaluation of a pharmacy morbidity, mortality, and improvement case conference for medication safety optimization: an 8-year experience. *J Am Coll Clin Pharm* 2021 Dec 25. [Epub ahead of print]
- Al-Shaer M, Maguigan K, Ashton K, Venugopalan V, **Droege ME**, Philpott CD, **Droege CA**, Healy DP, **Mueller EW**, et al. Applying cefepime population pharmacokinetics on critically ill patients receiving continuous renal replacement therapy. *Antimicrob Agents Chemother* 2022;66:e0161121.
- Wallen TE, Singer KE, Makley AT, Athota K, Janowak CF, Hanseman D, Salvator A, **Droege ME**, Strilka R, **Droege CA**, et al. Intercostal liposomal bupivacaine injection for rib fractures: a prospective randomized controlled trial. *J Trauma Acute Care Surg* 2022;92:266-76.
- **Groth CM**, **Acquisto NM**, Wright C, et al. Pharmacists as members of an interdisciplinary pulmonary embolism response team (PERT). *J Am Coll Clin Pharm* 2021 Nov 22. [Epub ahead of print]
- **Gurnani PK**, Michalak LA, Kotwas M, et al. Outcomes of awake ECMO patients receiving venovenous extracorporeal membrane oxygenation. *ASAIO J* 2022. [In press]
- Li J, Augustynovich AE, **Gurnani PK**, et al. In-vitro and in-vivo comparisons of high versus low concentrations of inhaled epoprostenol to adult intubated patients. *Respir Res* 2021;22:231.
- **Hyland SJ**, Brockhaus KK, Vincent WR, et al. Perioperative pain management and opioid stewardship: a practical guide. *Healthcare* 2021;9:333.
- **Hyland SJ**, Kavi TR, **Smith NR**, et al. Transient bilateral ophthalmoplegia: a case of a forgotten anesthetic medication effect. *Cureus* 2021;13:e18802.
- **Jacobi J**. The pathophysiology of sepsis-2021 update: part 2, organ dysfunction and assessment. *Am J Health Syst Pharm* 2021 Oct 15. [Epub ahead of print]
- **Jacobi J**. The pathophysiology of sepsis-2021 update: part 1, immunology and coagulopathy leading to endothelial injury. *Am J Health Syst Pharm* 2022;79:329-37.
- Leung S, Pastores SM, Oropello JM, Lilly CM, Galvagno SM, Badjatia N, **Jacobi J**, et al. Regionalization of critical care in the United States: current state and proposed framework from the Academic Leaders in Critical Care Medicine Task Force of the Society of the Critical Care Medicine. *Crit Care Med* 2022;50:37-49.
- Lumb PD, Adler DC, Al Rahma H, Amin P, Bakker J, Bhagwanjee S, Du B, Bryan-Brown CW, Dobb G, Gingles B, **Jacobi J**, et al. International critical care – from an indulgence of the best-funded healthcare systems to a core need for the provision of equitable care. *Crit Care Med* 2021;49:1589-605.
- **Kinney J**, Baroi O, Gharibian M. Diabetic keto-acidosis updates: titratable insulin infusions and long-acting insulin early. *Crit Care Res Pract* 2021;2021:1601553.
- Hawkins WA, Butler SN, Poirier N, Wilson C, **Long MK**, **Smith SE**. From theory to bedside: implementation of fluid stewardship in a medical ICU pharmacy practice. *Am J Health Syst Pharm* 2021 Nov 26. [Epub ahead of print]
- **Mohammad RA**, Nguyen CT, Costello PG, **Poyant JO**, **Yeung S**, **Landolf K**, Kim A, Artman KL, Taylor DC, **Kenes MT**, Alkhateeb T, **Stollings JL**. Medication changes and diagnosis of new chronic illnesses in COVID-19 intensive care unit survivors. *Ann Pharmacother* 2022 Jan 13. [Epub ahead of print]



- **Mueller EW.** Infectious diseases I. In: Abel EE, Bauer SR, Benken ST, et al. Updates in Therapeutics®: Critical Care Pharmacy Preparatory Review Course, 2021 ed. American College of Clinical Pharmacy, vol. 7.
- **Mueller EW.** Keys to success on rotations. In: Raub JN, Walker CL, White SJ, eds. Letters from Pharmacy Preceptors: Pearls for Success. American Society of Health-System Pharmacists, 2019.
- Foertsch MJ, McMullan JT, Harger NJ, Rodriguez D, Salvator A, **Mueller EW**, **Droege CA.** Ketamine stability over six months of exposure to moderate and high temperature environments. Prehosp Emerg Care 2021 Jun 21. [Epub ahead of print]
- Gentene AJ, Bell AM, Pence A, Thomas K, Jakubecz C, Woolf B, Guido MR, **Mueller EW.** Sustained virologic response of patients hospitalized compared to those not hospitalized during treatment for hepatitis C virus with direct-acting antivirals. Ann Pharmacother 2021;55:565-74.
- **Newsome AS, Murray B, Smith SE,** Brothers T, Al-Mamun MA, Chase AM, Rowe S, **Buckley MS,** Murphy D, **Devlin JW.** Optimization of critical care pharmacy clinical services: a gap analysis approach. Am J Health Syst Pharm 2021;78:2077-85.
- Schranz E, **Rappaport S, Groth CM,** Prasad P, Cooper K, **Connor K.** A retrospective characterization of dexmedetomidine-suspected fever and its consequences in adult critically ill patients. Ann Pharmacother 2022 Jan 6. [Epub ahead of print]
- **Rech MA, Donahey E,** DeMott JM, et al. The impact of antihypertensive use in the treatment of acute ischemic stroke in patients receiving alteplase. Am J Emerg Med 2021;50:93-6.
- **Rech MA,** Gottlieb M. Intravenous push antibiotics should be administered in the emergency department. Ann Emerg Med 2021;78:384-5.
- **Rech MA, Gurnani PK,** Peppard WJ, **Smetana KS,** Van Berkel MA, Hammond DA, **Flannery AH.** Pharmacist Avoidance or Reductions in Medical Costs in CRITically Ill Adults: PHARM-CRIT study. Crit Care Explor 2021;3:e0594.
- Colon Hidalgo D, Menich BE, Lovett S, **Rech MA.** The incidence and characteristics of bacteremia in cardiac arrest. Heart Lung 2021;52:106-9.
- Krishnan K, Wassermann TB, Tednes P, Bonderski V, **Rech MA.** Beyond the bundle: clinical controversies in the management of sepsis in emergency medicine patients. Am J Emerg Med 2021;51:296-303.
- Lemon N, Sterk E, **Rech MA.** Acute venous thromboembolism after initiation of voxelotor for treatment of sickle cell disease. Am J Emerg Med 2021 Dec 17. [Epub ahead of print]
- Vaughn AS, **Rech MA,** Lovett S. Acute bilateral hearing loss as a rare presentation of acute stroke. Am J Emerg Med 2022;51:429.e1-429.e2.
- **Patel JS,** Colon Hidalgo D, Capistrano I, Mancl E, **Rech MA.** Antihypertensive medications prior to shock onset do not impact initial vasopressor requirements in patients with shock. J Pharm Pract 2021 Oct 2. [Epub ahead of print]
- **Sacha GL,** Chen AY, **Palm NM,** et al. Clinical utilization of stress dose hydrocortisone in adult patients with septic shock: a retrospective observational study at a large academic medical center. J Pharm Pract 2022 Feb 12. [Epub ahead of print]
- Zimmerman DE, **Sarangarm P, Brown CS,** Faine B, Flack T, **Gilbert BW,** Howington GT, **Kelly G,** Laub J, Porter BA, Slocum GW, **Rech MA.** Staying Informed: top emergency medicine pharmacotherapy articles of 2020. Am J Emerg Med 2021;49:200-5.
- McManus J, Ferreira J, Jones GM, **Smetana KS, Condeni MS, Berger K, Witenko C,** et al. Effect of desmopressin acetate on acute spontaneous intracerebral hemorrhage in patients on antiplatelet therapy. J Neurol Sci 2022 Jan 6. [Epub ahead of print]
- **Smith SE,** Peters NA, Floris LM, et al. Putting midodrine on the MAP: an approach to liberation from intravenous vasopressors in vasodilatory shock. Am J Health Syst Pharm 2021 Oct. [In press]
- **Smith SE,** Shelley R, **Newsome AS.** Medication regimen complexity vs. patient acuity for predicting critical care pharmacist interventions. Am J Health Syst Pharm 2021 Dec 3. [Epub ahead of print]
- Hawkins WA, **Smith SE,** Stitt TM, **Abdulla A, Branan TN,** et al. Low prevalence of thrombosis prophylaxis dose adjustments highlights implications for patient safety. Innov Pharm 2021;12:6.
- Ismail R, Hegab S, Kelly B, Franko-Palacios DJ, Grafton G, **Smith Z,** et al. Serious illness conversations in pulmonary hypertension. Pulm Circ 2021;11:1-6.
- Joshi S, **Smith Z,** Soman S, et al. Low- versus high-dose methylprednisolone in adult patients with coronavirus disease 2019: less is more. Open Forum Infect Dis 2021;9:ofab619.
- **To L,** Attar D, Lines B, McCarty M, Nemeh H, Lopez-Plaza I, **Smith Z,** et al. Incidence of heparin-induced thrombocytopenia in patients with newly implanted mechanical circulatory support devices. Ann Pharmacother 2021 Aug 12. [Epub ahead of print]
- Barreto EF, **Webb AJ,** Pais GM, et al. Setting the beta-lactam therapeutic range for critically ill patients: is there a floor or even a ceiling? Crit Care Explor 2021;3:e0446.

## Presentations

- **Melissa Santibañez:** Infectious complications associated with COVID-19 therapies. Presented at: ACCP Clinical Reasoning Series in Pharmacotherapy for Dual Recertification in Critical Care Pharmacy and Pharmacotherapy; November 15, 2021; on-demand.

## New ACCP Fellow

- **Dustin Spencer**

## Other Notable Achievements

- **Christopher Adams:** FCCM – American College of Critical Care Medicine.
- **Tuqa Alkhateeb:** Member-at-Large, ACCP National Resident/Fellow Advisory Committee.
- **Mahmoud Amar:** FCCM – American College of Critical Care Medicine.
- **Rebecca Baker:**  
BCNSP  
PGY1 Pharmacy Practice RPD, Beaumont Hospital.
- **Brittany Bissell:** FCCM – American College of Critical Care Medicine.
- **Maria Cardinale-King:** Chair, ACCP Critical Care PRN Travel Award Committee.
- **Jennifer Cole:**  
FCCM – American College of Critical Care Medicine.  
Chair, BPS Critical Care Council.
- **Jenna Cox:** Board of Directors, Carolinas/Virginias Society of Critical Care Medicine (CVSCCM).
- **Christy Forehand:**  
FCCM – American College of Critical Care Medicine.  
Chair, SCCM CPP Patient Safety Committee.  
Co-Chair, Georgia Society of Health-System Pharmacists, Student and Resident Affairs Committee.  
Appointed to Board of Pharmacy Specialties, Critical Care Specialty Board.  
ASHP Residency Program Surveyor, Critical Care Practitioner Surveyor.
- **Christen Freeman:** PGY2 Critical Care RPD, DCH Regional Medical Center.
- **Kasey Greathouse:** FCCM – American College of Critical Care Medicine.
- **Payal Gurnani:** Chair-Elect, SCCM CPP Communications Committee.
- **Leslie Hamilton:**  
FNCS – Neurocritical Care Society.  
Chair, ACCP Critical Care PRN Steering Committee.
- **Dylan Hanna:** BCCCP
- **W. Anthony Hawkins:** FCCM – American College of Critical Care Medicine.

- **Joanna He:** BCPS
- **Mojdeh Heavner:** Chair-Elect, ACCP Critical Care PRN Steering Committee.
- **Judi Jacobi:**  
Co-Chair, SCCM LEAD Task Force; Co-Chair, SCCM Glycemic Control Guideline.  
Member, GTMRx Subgroup Evidence-Based Resources Updates.
- **Eric W. Mueller:**  
FCCM – American College of Critical Care Medicine.  
Member, 2021 ACCP Critical Care Board Certification Prep Course Planning Committee.  
Completion of performance improvement (“Model for Improvement”) certificate program; Appointment as instructor and coach for UC Health Performance Improvement Leaders Course.
- **Jerika V. Nguyen:** Vice Chair, ACCP Critical Care PRN Communications Committee.
- **Song Oh:** Chair, ACCP Critical Care PRN Student, Resident, Fellow Committee.
- **Allison Oswalt:** Chair, ACCP Critical Care PRN Communications Committee.
- **Kent Owusu:**  
FCCM – American College of Critical Care Medicine;  
FNCS – Neurocritical Care Society.  
Vice Chair, ACCP Health Equity PRN Sustainability Subcommittee.
- **Nicole Palm:** Chair, ACCP Critical Care PRN Recognition Committee.
- **Kerilyn Petrucci:** BCCCP
- **Kaitlin Pruskowski:** FCCM – American College of Critical Care Medicine.
- **Nicole Reardon:**  
Member, BPS Specialty Council on Pharmacotherapy.  
Board of Directors, Florida Society of Health-System Pharmacists.
- **Paul Reynolds:** Chair, ACCP Critical Care PRN Research Committee.
- **Melissa Santibañez:**  
State Regional Coordinator, SCCM Florida Chapter.  
Chair-Elect, ACCP Pulmonary PRN.
- **Melanie Sisco:** Chair, ACCP Critical Care PRN Membership Committee.
- **Melanie Smith:** Chair, ACCP Critical Care PRN Social Media Committee.
- **Susan Smith:**  
Chair, SCCM CPP Section Communications Committee.  
Chair-Elect, AACP Women Faculty.  
Secretary/Treasurer, ACCP Critical Care PRN.
- **Melissa Thompson Bastin:** FCCM – American College of Critical Care Medicine.

- **Heather Torbic:** FCCM – American College of Critical Care Medicine.
- **Mandy Viso:**  
FASHP – American Society of Health-System Pharmacists.  
BCCCP, BCPPS
- **Jessica Ward:** BCCCP
- **Andrew Webb:** BCCCP
- **Adrian Wong:** FCCM – American College of Critical Care Medicine.

## Drug Information PRN

### Grants

- **Nguyen CB:** Providing Accessible Written Medication Information for Patients Using Assistive Technology. PhRMA's Collaborative Actions to Reach Equity (CAREs). Principal Investigator (\$37,500).

### Publications

- Aljuhani O, Al Sulaiman K, Alshabasy A, Eljaaly K, Al Shaya AI, Noureldeen H, Aboudeif M, Al Dosari B, Alkhalaf A, Korayem GB, Aleissa MM, Badreldin HA, Al Harbi S, **Alhammad A**, et al. Association between tocilizumab and emerging multidrug-resistant organisms in critically ill patients with COVID-19: a multicenter, retrospective cohort study. *BMC Infect Dis* 2021;21:1127.
- Lee SY, **An SH**. Impact of pharmacist intervention in antibiotic stewardship programmes for critically ill neonates: a systematic review and meta-analysis. *J Clin Pharm Ther* 2021 Oct 30. [Epub ahead of print]
- Kepczynski CM, Genigeski JA, Koski RR, **Bernknopf AC**, et al. A systematic review comparing at-home diagnostic tests for SARS-CoV-2: key points for pharmacy practice, including regulatory information. *J Am Pharm Assoc* 2021;61:666-77.e2.
- Hu AM, Pepin MJ, Hashem MG, Britt RB, Britnell SR, Bryan WE, **Brown JN**. Development of a specialty medication clinical dashboard to improve tumor necrosis factor- $\alpha$  inhibitor safety and adherence monitoring. *Am J Health Syst Pharm* 2021 Dec 1. [Epub ahead of print]
- Mistry VM, Morizio PL, Pepin MJ, Bryan WE, **Brown JN**. The role of memantine for the prophylactic treatment of episodic migraine: a systematic review. *Headache* 2021;61:1207-13.
- Barry RR, **Derry KL**, Stevens CA. Implementation of a standardized documentation and financial capture process for rapid-sequence intubation medications. *J Pharm Pract* 2021 Oct 20.
- Haidar CE, Petry N, Oxencis C, **Douglas JS**, et al. ASHP statement on the pharmacist's role in clinical

- pharmacogenomics. *Am J Health Syst Pharm* 2021 Sep 6. [Epub ahead of print]
- Ipema HJ, **Elste JM**, **Koppen LM**, et al. Inclusion of optimal guidelines for pharmacists in UpToDate. *Ann Pharmacother* 2022 Jan 3.
- **Evens RP**. The Global Biotech Database E-Sourcebook. Center for the Study of Drug Development. Tufts University, 2021.
- Kleykamp BA, **Ferguson MC**, McNicol E, et al. The prevalence of comorbid chronic pain conditions among patients with temporomandibular disorders: a systematic review. *J Am Dent Assoc* 2022;153:241-50.e10.
- Lee LM, Carias DC, **Gosser R**, et al. ASHP guidelines on adverse drug reaction monitoring and reporting. *Am J Health Syst Pharm* 2022;79:e83-e89.
- **Hatton RC**, Leighton G, Englander L. Site-specific and country-of-origin labeling for pharmaceutical manufacturing. *Ann Pharmacother* 2022 Jan 13. [Epub ahead of print]
- **Hatton RC**, Leighton G, Englander L. Countries manufacturing pharmaceuticals for the US market: a 10-year analysis of public data. *Ann Pharmacother* 2022 Jan 18. [Epub ahead of print]
- Flavin BM, Happe LE, **Hatton RC**. Meeting report: an exploration into the scientific and regulatory aspects of pharmaceutical drug quality in the United States. *Expert Opin Drug Saf* 2022;21:167-70.
- Acquisto NM, Beavers C, Bolesta S, Buckley M, Dobbins K, Finch C, Hayes S, Holdren D, **Johnson S**, et al. ACCP white paper: development and application of quality measures of clinical pharmacist services provided in inpatient/acute care settings. *J Am Coll Clin Pharm* 2022;4:1601-17.
- McWilliams D, Block M, Hinson J, **Kier KL**. Impostor phenomenon in undergraduates and pharmacy students at a small private university. *Am J Pharm Educ* 2022 Jan 6. [Epub ahead of print]
- Nau DP, **Kier KL**. The decline in graduating student pharmacist positivity for the profession of pharmacy. *J Am Pharm Assoc* (2003). 2021 Oct 21. [Epub ahead of print]
- Hess R, Whitley HP, **Majerczyk D**, et al. An online, multi-institutional APPE student debate on diabetes medications. *Am J Pharm Educ* 2022 Jan 18. [Epub ahead of print]
- **Nguyen C**. The accuracy and completeness of Google Snippet Blocks. *J Med Libr Assoc* 2021;109:613-7.
- Kastner M, Makarski J, Mossman K, Harris K, Hayden L, Giraldo M, Sharma D, Asalya M, Jussaume L, Eisen D, Wintemute K, **Rolko E**, et al. Choosing wisely: an idea worth sustaining. *Health Serv Res* 2021 Dec 2. [Epub ahead of print]

- **Stark JE**, Cole JL, Barnes LM, et al. Implementation of a novel learning experience in scientific writing, publishing, and peer review into a first year pharmacy practice residency. *J Am Pharm Assoc* (2003). 2021 Nov 17. [Epub ahead of print]
- **Stark JE**, Cole JL, Ghazarian RN, et al. Impact of glucagon-like peptide-1 receptor agonists (GLP-1RA) on food content during esophagogastroduodenoscopy (EGD). *Ann Pharmacother* 2021 Nov 2. [Epub ahead of print]
- Wen X, Wang S, Lewkowitz AK, **Ward KE**, et al. Maternal complications and prescription opioid exposure during pregnancy: using marginal structural models. *Drug Saf* 2021;44:1297-309.
- DiPiro JT, Carmichael JM, Johnson VB, Daftary MN, Martinez L, **Wiest MD**, et al. ASHP Foundation Pharmacy Forecast 2022: strategic planning guidance for pharmacy departments in hospitals and health systems. *Am J Health Syst Pharm* 2022;79:23-51.
- Cowey CK, **Wilson E**. A retrospective analysis of the impact of a hospital pharmacist-led procainin protocol. *Am J Health Syst Pharm* 2022;79:239-43.

#### Presentations

- **Thornby K**, Roscizewski L, Lendoiro J, et al. Utilization of drug information resources during the COVID-19 pandemic among pharmacy preceptors in South Florida. Presented at: American Society of Consultant Pharmacists Annual Meeting & Exhibition; November 5, 2021; San Diego, CA.

### Education and Training PRN

#### Awards

- **Paul M. Boylan**: 2021 Most Collegial Faculty Member. University of Oklahoma College of Pharmacy, Department of Pharmacy: Clinical and Administrative Sciences.
- **Mate Soric**: Honorary Inductee, Rho Chi Delta Phi Chapter. Master Teacher Guild Inductee, Northeast Ohio Medical University.

#### Promotions

- **Meredith Howard**: Chair, Department of Pharmacotherapy, UNTHSC College of Pharmacy.
- **Evan Williams**: Director of Accreditation Services, Roseman University College of Pharmacy.

#### Grants

- **Eliza Dy-Boorman**: Exploring nomophobia in doctor of pharmacy students amid the COVID-19 pandemic. American College of Clinical Pharmacy Education and Training PRN Teaching Enhancement Grant (\$1000).
- **Takova D. Wallace-Gay**: COVID-19 Vaccination Education, Centers for Disease Control and Prevention (\$40,629.22).

#### Publications

- **Boylan PM**. Transitions of Care in Pharmacy Casebook, 160 pp, US \$49.95 (paperback), US \$37.49 (eBook), 1st ed. Bethishou L, Wooster J, On PC, eds. McGraw-Hill Education/Medical, 2021, ISBN: 978-1-260-47461-9 [book review]. *Curr Pharm Teach Learn* 2022;14:120-1.
- **Dy-Boorman E**, Von Hoff B, Janke KK. Scholarly maturation and other factors supporting publishing productivity in educational scholarship for clinical faculty. *Curr Pharm Teach Learn* 2021;13:1398-407.
- Bryant GA, **Dy-Boorman EA**, Herring MS, et al. Use of a script concordance test to evaluate the impact of a targeted educational strategy on clinical reasoning in advanced pharmacy practice experiential students. *Curr Pharm Teach Learn* 2021;13:1024-31.
- Isaacs AN, Steuber TD, Howard ML, **Dy-Boorman EA**, et al. Evaluating the impact of advanced pharmacy practice experience on student pharmacist metacognition. *Am J Pharm Educ* 2021;85:8676.
- Smith KJ, Cox CD, **Dy-Boorman E**, et al. Our priorities are not evolving, but our strategies are. *Am J Pharm Educ* 2021;85:8732.
- **Eudaley ST**, **Brooks SP**, Jones M, et al. Evaluation of student-perceived growth in entrustable professional activities after involvement in a transitions-of-care process within an adult medicine advanced pharmacy practice experience. *Curr Pharm Teach Learn* 2022;14:193-9.
- **Eudaley ST**, Farland MZ, Melton T, **Brooks SP**, Heidel RE, **Franks AS**. Student performance with graded vs. ungraded readiness assurance tests in a team-based learning elective. *Am J Pharm Educ* 2022 Jan 10. [Epub ahead of print]
- Deville R, **Fellers CM**, **Howard ML**. Lessons learned pivoting to a virtual OSCE: pharmacy faculty and student perspectives. *Curr Pharm Teach Learn* 2021;13:1498-502.



- **Gibson CM**, Hall B, Kwon HI, Davis S, Bradford D, **Howard ML**. Safety and efficacy of indomethacin for reducing chest tube duration after coronary artery bypass grafting surgery. *J Pharm Technol* 2022 Jan 28. [Epub ahead of print]
- Gallegos PJ, Hoffmaster BS, **Howard ML**, et al. Remote experiential education: a silver lining from the COVID-19 pandemic. *J Am Coll Clin Pharm* 2022;5:107-10.
- Haines S, Kelley K, Eiland LS, Allen JM, **Howard ML**, et al. Mentorship in a professional pharmacy association: a tale of two programs. *J Fac Dev* 2022;36:82-95.
- **Soric MM**. Study designs: design and application. In: Bernhardt MB, Blackmer A, Cox CL, et al., eds. *Updates in Therapeutics®: Pediatric Pharmacy Preparatory Review and Recertification Course*. 2021 ed. American College of Clinical Pharmacy, 2021:827-56.
- **Steuber T, Isaacs AN, Howard ML, Nisly SA**. Effectiveness of journal club activities versus clinical debate activities in pharmacy experiential education. *Am J Pharm Educ* 2022;86:8562.
- Butler LM, Park SK, Vyas D, Cole JD, Haney JS, Mars JC, **Williams E**. Evidence and strategies for inclusion of emotional intelligence in pharmacy education. *Am J Pharm Educ* 2021 Oct 25. [Epub ahead of print]

## Emergency Medicine PRN

Members of the Emergency Medicine PRN have been involved in several prestigious awards and publications. The PRN has continued to host journal club webinars from pharmacy residents and students across the country. The PRN's monthly journal clubs have continued to host two presenters each month, and attendance has continued to increase. The PRN has an active [Twitter](#) presence with a following now exceeding 4000.

### Promotions

- **Gregory Kelly**: PGY2 Emergency Medicine Residency Program Director, Rutgers University-Robert Wood Johnson University Hospital.
- **Nancy C. MacDonald**: Vice Chairperson, American Society of Health-System Pharmacists Section of Clinical Specialists and Scientists Section Advisory Group on Clinical Leadership.
- **Elise Metts**: PGY2 Emergency Medicine Residency Program Director, University of Kentucky Hospital.
- **Megan Musselman**: PGY2 Emergency Medicine Residency Program Director, North Kansas City Hospital.
- **Megan Rech**: Member-at-Large, SCCM Clinical Pharmacy and Pharmacology (CPP) Section.

- **Andrew Smith**: President-Elect, San Diego Society of Health-System Pharmacists.
- **Chase Turner**: PGY1 Residency Program Director, Clark Memorial Hospital. Sepsis Committee Co-Chair, Emergency Medicine Physicians Association of Southern Indiana.

### Awards

- **Sara Jordan Hyland**: Ohio Society of Health-System Pharmacists (OSHP) Practice Research Award 2021.
- **Nancy C. MacDonald**: 2021 Joseph A. Oddis Leadership Award, Michigan Society of Health-System Pharmacists.
- **Megan Rech**: Presidential Citation Award, Society of Critical Care Medicine.

### Grants

- **Megan Rech**: Impact of an Emergency Medicine Pharmacist-Driven Protocol to Discontinue Antibiotics on Patients Discharged from the Emergency Department with Negative Cultures. ASHP Research and Education Foundation: ASHP Foundation Pharmacy Resident Practice-Based Research Grant Program. Senior Investigator (\$5000).  
Rapid De-escalation of MRSA Treatment for Pneumonia in the ED: (DE-ESCALATED) Pilot Trial. Emergency Medicine Pharmacotherapy Research Network (EMPHARM-NET). American College of Clinical Pharmacy Emergency Medicine PRN Member Research Grant (\$2500).  
Urinary Tract Infections in the Emergency Department (UNTRIED) Study. Emergency Medicine Pharmacotherapy Research Network (EMPHARM-NET) Investigator-Initiated Grant from Spero Pharmaceuticals (\$100,000).

### Publications

- **Acquisto NM**, Beavers C, Bolesta S, et al. ACCP white paper: development and application of quality measures of clinical pharmacist services provided in inpatient/acute care settings. *J Am Coll Clin Pharm* 2021;4:1601-17.
- **Acquisto NM**, Sharifpour M. Intubation medications. In: Bittner EA, Gallagher JJ, Wilcox S, eds. *Airway and Mechanical Ventilation Management*. Society of Critical Care Medicine, 2021:19-31.
- Bodkin RB, **Acquisto NM**. Medical treatment during pregnancy. In: Harwood-Nuss' *Clinical Practice of Emergency Medicine*, 7th ed. Wolters Kluwer, 2021:731-7.

- Chee-How EL, **Acquisto NM**, Iuppa Melaragno J, et al. Emergency department analgesia in patients with traumatic injuries on outpatient buprenorphine. *Am J Emerg Med* 2021;39:243-4.
- Chee-How EL, **Acquisto NM**, Zhang YV. Evaluation of tacrolimus monitoring in the emergency department. *Am J Emerg Med* 2021;45:223-36.
- Connors JM, Brooks MM, Sciurba FC, et al.; ACTIV-4b Investigators [**Acquisto NM**]. Effect of antithrombotic therapy on clinical outcomes in outpatients with clinically stable symptomatic COVID-19. The ACTIV-4B randomized clinical trial. *JAMA* 2021;326:1703-12.
- Groth CM, **Acquisto NM**, Wright C, et al. Pharmacists as members of an interdisciplinary pulmonary embolism response team. *J Am Coll Clin Pharm* 2021 Nov 22. [Epub ahead of print]
- Schult RF, Nacca N, Grannell TL, Jorgensen RM, **Acquisto NM**. Evaluation of high-dose insulin/euglycemia therapy for suspected  $\beta$ -blocker or calcium channel blocker overdose following guideline implementation. *Am J Health Syst Pharm* 2021 19 Nov. [Epub ahead of print]
- Wright C, Goldenberg I, Schleede S, McNitt S, Gosev I, Elbadawi A, Pietropaoli P, Barrus B, Chen YL, Mazzillo J, **Acquisto NM**, et al. Effect of a multidisciplinary pulmonary embolism response team on patient mortality. *Am J Cardiol* 2021;161:102-7.
- Kelsch JR, **Bailey AM**, **Baum RA**, **Metts EL**, **Weant KA**. Guidance for emergency medicine pharmacists to improve care for people with opioid use disorder. *J Am Coll Clin Pharm* 2022;5:214-27.
- Bleidt BA, Cogan P, **Birrer KL**, et al. Individual leadership, organizational planning, and community partnerships. In: Desai M, Trong H, Norman S, eds. *Disasters and Emergencies: A Planning and Response Guide for Pharmacy Professionals*, 1st ed. American Pharmacists Association, 2021:71-101.
- **Hyland SJ**, Brockhaus KK, Vincent WR, et al. Perioperative pain management and opioid stewardship: a practical guide. *Healthcare* 2021;9:333.
- **Hyland SJ**, Kavi TR, Smith NR, et al. Transient bilateral ophthalmoplegia: a case of a forgotten anesthetic medication effect. *Cureus* 2021;13:e18802.
- **Jenrette J**, Schwarz K, Trujillo T, **Ray L**. Evaluation of direct oral anticoagulant use on thromboelastography in an emergency department population. *Am J Emerg Med* 2022;52:191-5.
- Griebel K, Jiang C, To L, Peters M, **MacDonald NC**. Pharmacy emergency preparedness training as a PGY2 longitudinal rotation. *Am J Health Syst Pharm* 2021;78:669-73.
- Hachem SN, Thomson JM, Heigham MK, **MacDonald NC**. Improving pediatric pharmacy services in a primarily adult emergency department. *Am J Health Syst Pharm* 2021 Oct 1. [Epub ahead of print]
- **Minhaj FS**, et al. In vitro analysis of N-acetylcysteine (NAC) interference with the international normalized ratio (INR). *Clin Toxicol (Phila)* 2021 Sep 22. [Epub ahead of print]
- **Minhaj FS**, Leonard JB. A description of the clinical course of severe benzonatate poisonings reported in the literature and to NPDS: a systematic review supplemented with NPDS cases. *Hum Exp Toxicol* 2021;40(suppl 12):S39-S48.
- Kunkel A, **Minhaj FS**, Whitehill F, et al. Notes from the field: three human rabies deaths attributed to bat exposures – United States, August 2021. *Morb Mortal Wkly Rep* 2022;71:31-2.
- Leonard JB, **Minhaj FS**, et al. Exposures in pregnant patients reported to United States poison centers. *Clin Toxicol (Phila)* 2021;60:356-61.
- **Posen A**, Benken S, Kaluzna S, et al. Poor guideline adherence in a real-world evaluation of hypertensive emergency management. *Am J Emerg Med* 2022;52:46-52.
- **Posen A**, Paloucek F, Petzel R. Anion gap physiology and faults of the correction formula. *Am J Health Syst Pharm* 2021 Nov 12. [Epub ahead of print]
- **Rech MA**, Donahey E, DeMott JM, et al. The impact of antihypertensive use in the treatment of acute ischemic stroke in patients receiving alteplase. *Am J Emerg Med* 2021;50:93-6.
- **Rech MA**, Gottlieb M. Intravenous push antibiotics should be administered in the emergency department. *Ann Emerg Med* 2021;78:384-5.
- **Rech MA**, Gurnani PK, Peppard WJ, et al. PHarmacist Avoidance or Reductions in Medical Costs in CRITically Ill Adults: PHARM-CRIT study. *Crit Care Explor* 2021;3:e0594.
- Bissell BD, Johnston JP, Smith RR, Newsome AS, Thompson Bastin ML, Abdul-Mutakabbir J, Barlow A, Barlow B, Berger K, Crow JR, Dixit D, Jacobi J, Karaoui LR, Kiser TH, Kolesar J, Koontz SE, Mattingly TJ, Mitchell C, Nilges A, **Rech MA**, et al. Gender inequity and sexual harassment in the pharmacy profession: evidence and call to action executive summary. *J Am Coll Clin Pharm* 2021;4:1375-8.
- Bissell BD, Johnston JP, Smith RR, Newsome AS, Thompson Bastin ML, Abdul-Mutakabbir J, Barlow A, Barlow B, Berger K, Crow JR, Dixit D, Jacobi J, Karaoui LR, Kiser TH, Kolesar J, Koontz SE, Mattingly TJ, Mitchell C, Nilges A, **Rech MA**, et al. Gender inequity and sexual harassment in the

pharmacy profession: evidence and call to action. *Am J Health Syst Pharm* 2021;78:2059-76.

- Colon Hidalgo D, Menich BE, Lovett S, **Rech MA**. The incidence and characteristics of bacteremia in cardiac arrest. *Heart Lung* 2021;52:106-9.
- Krishnan K, Wassermann TB, Tednes P, Bonderski V, **Rech MA**. Beyond the bundle: clinical controversies in the management of sepsis in emergency medicine patients. *Am J Emerg Med* 2022;51:296-303.
- Lemon N, Sterk E, **Rech MA**. Acute venous thromboembolism after initiation of voxelator for treatment of sickle cell disease. *Am J Emerg Med* 2021 Dec 17. [Epub ahead of print]
- Patel JS, Colon Hidalgo D, Capistrano I, Mancl E, **Rech MA**. Antihypertensive medications prior to shock onset do not impact initial vasopressor requirements in patients with shock. *J Pharm Pract* 2021 Oct 2. [Epub ahead of print]
- Vaughn AS, **Rech MA**, Lovett S. Silence is deafening: acute bilateral hearing loss as a rare presentation of acute stroke. *Am J Emerg Med* 2022;51:429.e1-429.e2.
- **Weant KA**, French DM. The authors respond: "Efficacy of bolus-dose epinephrine to manage hypotension in the prehospital setting: is systolic blood pressure the optimal target?" *Am J Emerg Med* 2021;48:330.
- **Weant KA**, French DM. Efficacy of bolus-dose epinephrine to manage hypotension in the prehospital setting. *Am J Emerg Med* 2021;50:71-5.
- Baum RA, Su MK, **Weant KA**. The cents of the dosage cap in patients greater than 100 kilograms receiving N-acetylcysteine for acetaminophen toxicity. *J Med Toxicol* 2022;18:67-8.
- LaScala EC, Monroe AK, Hall GA, **Weant KA**. Antibiotic prescribing errors in patients discharged from the pediatric emergency department. *Pediatr Emerg Care* 2022;38:e387-e392.
- Matuskowitz AJ, **Weant KA**, Gregory H, et al. Implementation of a procainamide-based cardioversion strategy for the management of recent onset atrial fibrillation. *Adv Emerg Nurs J* 2021;43:186-93.
- Weeda ER, Alshaykh HA, Brown J, **Weant KA**. Online participation in a pharmacy residency research certificate program. *Hosp Pharm* 2021;56:410-2.
- Weeda E, Hayes G, Gaspar E, Thomas R, Nappi J, **Weant K**. Advice provided by a pharmacy residency research committee. *Ann Pharmacother* 2021;55:1547-9.
- Wells ME, Barnes RM, Caporossi J, **Weant KA**. The influence of age on propofol dosing requirements during procedural sedation in the emergency department. *Adv Emerg Nurs J* 2021;43:255-64.

## New ACCP Fellow

- **Megan Musselman**

## Other Notable Achievements

- **Brent Beckner**: BCCCP
- **Nicole Gonzalez**: BCPS
- **Faisal Minhaj**: DABAT
- **Bianca Naguit**: BCPS and BCCCP
- **Rachel Rusk**: BCPS
- **Andrew Smith**:  
Appointed to Committees Council and Task Forces, California Society of Health-System Pharmacists. Faculty Appointment with ACCP/ASHP BCEMP Review Course.
- **Chase Turner**: BCPS

## Endocrine and Metabolism PRN

### Promotions

- **Ben Gross**: Chair, Department of Pharmacy and Pharmaceutical Sciences, Lipscomb University College of Pharmacy and Health Sciences.

### Grants

- **Chase Board**: 2021 Health Equity Grant, Connecticut Health Foundation. Co-Investigator (\$100,000).

### Publications

- Baruwat S, Hall RG, Pass SE, Safri A, **Edwards KL**. Efficacy and benefits of mock residency interviews. *Curr Pharm Teach Learn* 2021;13:958-63.
- **Isaacs D**, Bellini NJ, Biba U, et al. Health care disparities in use of continuous glucose monitoring. *Diabetes Technol Ther* 2021;23:S81-87.
- Greenwood DA, Litchman ML, **Isaacs D**, et al. A new taxonomy for technology-enabled diabetes self-management interventions: results of an umbrella review. *J Diabetes Sci Technol* 2021 Aug 11. [Epub ahead of print]
- **Nimer S**, **Schumacher C**, Bolch C. Describing the application and barriers of pharmacist-led professional continuous glucose monitoring (CGM) in an ambulatory care setting. *J Am Coll Clin Pharm* 2021;4:1554-63.
- **Reece S**, Beltran A, Nattama S, et al. Diabetic ketoacidosis: visiting an all too familiar preventable emergency. *ADCES Pract* 2021;9:24-9.
- Mobley-Bukstein W, **Reece S**, Hebdon K. ADCES practice paper: special considerations in the management and education of older persons with diabetes. *ADCES Pract* 2021;9:30-42.
- **Reid DJ**. How to talk about atherosclerotic cardiovascular disease risk. *ADCES Pract* 2021;9:11-20.

- **Schumacher C.** A misdiagnosis of type 2 diabetes mellitus: using continuous glucose monitoring to improve patient-centered care. *J Am Pharm Assoc* 2022;62:281-4.
- **Schumacher C, Van Dril E,** Kliethermes MA. Cultivating best practices in care transitions through comprehensive medication management. *J Am Pharm Assoc* 2022;62:35-7.
- Grauer A, Kneifati-Hayek J, Reuland B, Applebaum JR, Adelman JS, Green RA, Lisak-Phillips J, Liebovitz D, Byrd TF, Kansal P, Wilkes C, Falck S, Larson C, **Shilka J, Van Dril E,** et al. Indication alerts to improve problem list documentation. *J Am Med Inform Assoc* 2021 Dec 27. [Epub ahead of print]

### Presentations

- **Anderson SL, Clements J.** Don't argue with me – GLP-1 receptor agonists or SGLT2 inhibitors as first-line therapy for type 2 diabetes mellitus. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Anderson SL, Marrs JC.** Going beyond the major research project: integrating pharmacy residents into scholarly pursuits. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Anderson SL, Marrs JC.** A tale of two conditions: approaches to manage peripheral artery disease and resistant hypertension. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Ou S, Pozzolino E, Shapiro NL.** Aspirin deprescribing in patients on oral anticoagulation for atrial fibrillation or venous thromboembolism: a national survey of clinician practices. Poster presented at: Vizient Pharmacy at American Society of Health-System Pharmacists Midyear Clinical Meeting; January 2022; virtual.
- **Ou S, Richards L, Ferrandiz D,** et al. Evaluating real-world experience with co-formulated bicit-gravir/emtricitabine/tenofovir alafenamide as initial therapy or a switch regimen in persons with human immunodeficiency virus. Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- **Reece S, Isaacs D.** CGM in community pharmacies. Presented at: American Pharmacists Association; November 2021; virtual.
- **Schumacher C:** Ours vs. theirs: professional vs. personal CGM and how to implement professional CGM into practice. Presented at: Association of Diabetes Care &

Education Specialists 2021 Diabetes Technology Conference; December 2021; Chicago, IL. Cardiometabolic co-conditions – cardiorenal. Presented at: Association of Diabetes Care & Education; October 2021; virtual.

- **Schumacher C, Isaacs D, Clements J.** How sweet it is: optimizing diabetes management with continuous glucose monitoring. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Schumacher C, Van Dril E.** The sugar showdown: debating approaches to selecting antihyperglycemic treatment options for type 2 diabetes. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- **Schumacher C, Van Dril E,** Allison M. Keeping up with the trends: a how-to for CGM implementation and interpretation. Presented at: Illinois Council of Health-System Pharmacists Annual Meeting; September 2021; virtual.
- **Shilka J, Cryder B.** What is the role for TZDs in diabetes management: starting lineup or riding the bench? Presented at: Illinois Council of Health-System Pharmacists Annual Meeting; September 2021; virtual.
- Hanson H, **Shilka J, Van Dril E,** et al. Implementation of a pharmacist-based clinical service for quality improvement. Poster presented at: Vizient Pharmacy at American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.
- Keller E, **Van Dril E, Shilka J,** et al. Effect of glucagon-like peptide-1 agonists and sodium-glucose cotransporter-2 inhibitors with cardiovascular benefit on COVID-19. Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- Papanikolla J, Bursua A, **Van Dril E, Shilka J,** et al. Evaluation of outpatient antibiotic prescribing in ambulatory medicine clinics. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; virtual.

### Other Notable Achievements

- **Diana Isaacs:** Appointed to the American Diabetes Association's Professional Practice Committee. Appointed to the Board of Directors with the Association of Diabetes Care & Education Specialists (ADCES).



## Geriatrics PRN

### Awards

- **Shireen Farzadeh:** ASCP Annual Meeting 2021 Best Poster Award, American Society of Consultant Pharmacists.
- **Jeannie Lee:** 2021 Outstanding Committee Services Award, American Geriatrics Society Public Education Committee.

### Grants

- **Krista Donoho, Emily Peron:** Geriatric Training and Education Initiative Award. Commonwealth of Virginia General Assembly (\$12,458).
- **Jeannie Lee:**  
Pharmacist-CHW Team to Improve Medication Adherence and Reduce Hypertension Disparities. NIH-NHLBI (\$2,745,779).  
Strengthening Eldercare Workforce Through Rural and Underserved Nursing (SEW-RUN). Health Resources & Services Administration (HRSA) (\$416,863).  
Interprofessional End-of-Life Care Training Partnership (IP-EOLCTP) at UA Health Sciences Phase II. Lovell Foundation (\$500,000).

### Publications

- **Caballero J**, Jacobs RJ, Ownby RL. Development of a computerized intervention to improve health literacy in older Hispanics with type 2 diabetes using a pharmacist supervised comprehensive medication management. *PLoS One* 2022;17:e0263264.
- Fuentes AV, Jacobs RJ, Ip E, Owens RE, **Caballero J**. Coping, resilience, and emotional well-being in pharmacy students during the COVID-19 pandemic. *Ment Health Clin* 2021;11:274-8.
- Leach EO, Huiyin L, **Caballero J**, et al. Defining the optimal cut-point of self-reported ART adherence to achieve viral suppression in the era of contemporary HIV therapy: a cross-sectional study. *AIDS Res Ther* 2021;18:36.
- Emmons RP, Harris IM, Abdalla M, Afolabi TM, Barner AE, Baxter MV, Bisada M, Chase AM, **Christenberry EJ**, et al. Impact of remote delivery of clinical pharmacy services on healthcare disparities and access to care. *J Am Coll Clin Pharm* 2021;4:1492-502.
- Chilbert MR, **Clark CM**, Woodruff AE, et al. Comparison of higher-than-standard thromboprophylaxis to D-dimer driven thromboprophylaxis in hospitalized patients with COVID-19. 2021 Dec 27. [Epub ahead of print]
- Murray F, Allen M, **Clark CM**, et al. Socio-demographic and -economic factors associated with 30-day readmission for conditions targeted by

the Hospital Readmissions Reduction Program: a population-based study. *BMC Public Health* 2021;21:1922.

- Wilkinson LA, Mergenhagen KA, Carter MT, Chua H, **Clark CM**, et al. Smoking status related to Covid-19 mortality and disease severity in a veteran population. *Respir Med* 2021;190:106668.
- **Donohoe KL**, Bruck TI, Alotaibi FM, Ogbonna KC, **Peron EP**, et al. Changes in student pharmacists' confidence in attaining geriatrics competencies and attitudes toward older adults across the doctor of pharmacy curriculum. *Gerontol Geriatr Educ* 2021;42:541-50.
- Anderson AN, Patterson JA, **Donohoe KL**, Matulewicz AT, Frankart LM, **Peron EP**, et al. Lessons learned: assessing team creation by personality inventories in pharmacy students. *Curr Pharm Teach Learn* 2021;13:1626.
- **Farzadeh S**, Yuksel JM, Noviasky J, et al. 2021 ASCP Poster Abstracts: Annual Meeting & Exhibition Town and Country, San Diego, California, November 4-7, 2021. *Sr Care Pharm* 2021;36:581-613.
- **Lee JK**, Mendoza DM, Chatelain SM. Geriatrics: safe medication use in older adults. In: Chisholm-Burns MA, Wells BG, Schwinghammer TL, et al., eds. *Pharmacotherapy: Principles and Practice*, 6th ed. McGraw-Hill, 2022:3-14.
- Nakanishi M, Mizuno T, Mizokami F, Koseki T, Takahashi K, Tsuboi N, Katz M, **Lee J**, et al. Impact of pharmacist intervention for blood pressure control in patients with chronic kidney disease: a meta-analysis of randomized clinical trials. *J Clin Pharm Ther* 2021;46:114-20.

### Other Notable Achievements

- **Shireen Farzadeh:** BCGP
- **Janice Hoffman:** First pharmacist to chair the delegation for the HOD of PALTC-AMDA for California Association of Long-Term Care Medicine (CALTCM) – President-Elect of CALTCM, becoming the first pharmacist president.

## GI/Liver/Nutrition PRN

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

### Promotions

- **Sarah Cogle:** Associate Clinical Professor, Auburn University Harrison College of Pharmacy.

- **Maria Sheridan:** Senior Manager, Medical Science Liaison, Fresenius Kabi-US Medical Affairs, Biosimilars.

## Publications

- **Martin MT.** Gastrointestinal disorders. In: Cardone KE, Crannage E, Durham SH, et al., eds. Ambulatory Care Pharmacy Preparatory Review and Recertification Course, 2022 ed. American College of Clinical Pharmacy. [In press]
- **Martin MT.** Viral hepatitis C: the HCV-opioid syndemic. In: Schwinghammer TL, et al., eds. Pharmacotherapy Casebook: A Patient-Focused Approach, 12th ed. McGraw-Hill. [In press]
- **Martin MT,** Chacra W. Transjugular intrahepatic portosystemic shunt. In: Hughes G, ed. A Medication Guide to Internal Medicine Tests and Procedures. Elsevier, 2022:257-60.
- **Martin MT,** Waring N, Naveed A. High real-world sustained virologic response rate with glecaprevir/pibrentasvir at a racially diverse urban academic medical center. Gut Liver 2022 Feb 11. [Epub ahead of print]
- Patel S, **Martin MT,** Flamm SL. Sofosbuvir/velpatasvir/voxilaprevir for hepatitis C virus retreatment in decompensated cirrhosis. Liver Int 2021;41:3024-7.
- **Rife KM,** Lea EJ, Hirsch AA, et al. Treating hepatitis C virus reinfection with 8 weeks of ledipasvir/sofosbuvir achieves sustained virologic response. Fed Pract 2021;38:282-5.
- Akpoji U, Amos ME, McMillan K, Sims S, **Rife K.** Exercising empathy: pharmacists possess skills to increase coronavirus vaccine confidence. J Am Pharm Assoc 2022;62:296-301.
- Elias T, Bissett K, **Rife K.** Pump the brakes: a call to pharmacists to reduce the overuse of proton pump inhibitors. OCCP Newsl 2021;14:8-9.
- **Singh-Franco D,** Mohammed SH, Eckardt PA, et al. Identification of inappropriate antibiotic orders during implementation of a multidisciplinary antimicrobial stewardship program within the primary care setting. J Patient Saf 2022 Jan 21. [Epub ahead of print]
- **Singh-Franco D,** Wolowich WR, De La Rosa D. Intranasal metoclopramide for acute and recurrent diabetic gastroparesis in adults. Drugs Ther Perspect 2021;37:581-9.

## Other Notable Achievements

- **Kelsey Rife:** 2021 Graduate, ACCP Leadership and Management Academy.
- **Joseph Ybarra:** Fellow, American Society for Parenteral and Enteral Nutrition (FASPEN).

## Presentations

- Sieg J, **Rife K,** Hirsch A, et al. Glecaprevir/pibrentasvir less costly and equally effective for historically difficult to treat hepatitis C patients. Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- Heredia H, **Wood C:** Iodine deficiency in the PN-dependent pediatric patient: a case study. Poster presented at: American Society for Parenteral and Enteral Nutrition Conference; March 2021; virtual. National Home Infusion Association; April 2021; virtual. American College of Clinical Pharmacy Annual Meeting; October 2021; virtual. North American Society for Pediatric Gastroenterology, Hepatology & Nutrition Annual Meeting; December 2021; virtual.

## Global Health PRN

### Promotions

- **Ellen Schellhase:** Director of International Engagement, Purdue University College of Pharmacy.

### Awards

- **Emily K. Flores:** Faculty Service Award, 2021; East Tennessee State University (ETSU) Gatton College of Pharmacy.

### Publications

- Chang AY, **Karwa R,** Odhiambo H, Were P, Fletcher SL, Tonui EC, Kohn MA, Lee J, Chang D, Lensing S, Namaemba DF, Busakhala N, Kiprono SK, Maurer T, Goodrich S, **Pastakia SD.** Compression therapy for HIV-associated Kaposi sarcoma leg lymphedema: results of the Kenyan Improvised Compression for Kaposi Sarcoma randomized controlled trial. JCO Glob Oncol 2022;8:e2100329.
- **Laudone TW,** McKinzie CJ, Kumwenda HS, et al. The role of a pharmacy residency program in global health: establishing pediatric clinical pharmacy services in a Malawian hospital. Am J Health Syst Pharm 2022;79:193-8.
- Darshit DA, Ainembabazie P, Nakiddu N, Sodawasser E, Harper K, Ssenkusu J, Kitaka S, **Nicol M,** et al. Nutritional status and its associated factors among HIV positive adolescents on atazanavir-based regimen attending an urban clinic in Uganda. J HIV AIDS Soc Serv 2022;21:63-75.
- **Pastakia SD,** Clark A, Lewis K, et al. Expanding comprehensive medication management considerations to include responses to the social determinants of health within the BD Helping Build Healthy

Communities Program. J Am Coll Clin Pharm 2022. [In press]

- **Pastakia SD**, Clark A, Lewis K, et al. The impact of clinical pharmacist led medication therapy management for diabetes care at federally qualified health centers within the BD Helping Build Healthy Communities Program. J Am Coll Clin Pharm 2021 Dec 19. [Epub ahead of print]
- Deyoe JE, Amisi JA, Szkwarko D, Tran DN, Luetke M, Kianersi S, Lee SH, Namae J, Genberg B, Laktabai J, **Pastakia S**, et al. The relationship between household microfinance group participation and vaccine adherence among children in rural western Kenya. Matern Child Health J 2021;25:1725-34.
- Dong R, Leung C, Naert MN, Naanyu V, Kiptoo P, Matelong W, Matini E, Orango V, Bloomfield GS, Edelman D, Fuster V, Manyara S, Menya D, **Pastakia SD**, et al. Chronic disease stigma, skepticism of the health system, and socio-economic fragility: qualitative assessment of factors impacting receptiveness to group medical visits and microfinance for non-communicable disease care in rural Kenya. PLoS One 2021;16:e0248496.
- Genberg BL, Wilson-Barthes MG, Omodi V, Hogan JW, Steingrimsson J, Wachira J, **Pastakia SD**, et al. Microfinance, retention in care, and mortality among patients enrolled in HIV 2 care in East Africa. AIDS 2021;35:1997-2005.
- Johnson CA, Tran DN, Mwangi A, Sosa-Rubi SG, Chivardi C, Romero-Martínez M, **Pastakia SD**, et al. Incorporating respondent-driven sampling into web-based discrete choice experiments: preferences for COVID-19 mitigation measures. Health Serv Outcomes Res Methodol 2022 Jan 11. [Epub ahead of print]
- Kiplagat J, Tran DN, Barber T, Njuguna B, Vedanthan R, Triant VA, **Pastakia SD**. How health systems can adapt to a population ageing with HIV and comorbid disease. Lancet HIV 2022 Feb 23. [Epub ahead of print]
- Kiragu ZW, Gathecha G, Mwangi MK, Ndegwa Z, **Pastakia S**, et al. Access to medicines for non-communicable diseases (NCDS) during COVID-19 in Kenya: a descriptive commentary. Health Syst Reform 2021;7:e1984865.
- Pillsbury MKM, Mwangi E, Andesia J, Njuguna B, Bloomfield GS, Chepchumba A, Kamano J, Mercer T, Miheso J, **Pastakia SD**, et al. Human-centered implementation research: a new approach to develop and evaluate implementation strategies for strengthening referral networks for hypertension in western Kenya. BMC Health Serv Res 2021;21:910.
- Ruchman SG, Delong AK, Kamano JH, Bloomfield GS, Chrysanthopoulou SA, Fuster V, Horowitz CR, Kiptoo P, Matelong W, Mugo R, Naanyu V, Orango

V, **Pastakia SD**, et al. Egocentric social network characteristics and cardiovascular risk among patients with hypertension or diabetes in western Kenya: a cross-sectional analysis from the BIGPIC trial. BMJ Open 2021;11:e049610.

- Sang N, **Pastakia S**, Nyanje S. International normalized ratio (INR) increases amongst two patients living with HIV on warfarin after being switched from a nevirapine to a dolutegravir-based antiretroviral regimen. Case Rep Infect Dis 2021;2021:9384663.
- **Schellhase EM**, Hendricks S, Hasan I, et al. Integration of intercultural learning into an international advanced pharmacy practice experience in London, England. Pharmacy (Basel) 2021;9:37.
- Miller ML, **Schellhase EM**, Whicker H, Manji I, **Karwa R**, **Pastakia SD**, et al. Global service learning: a unique educational pathway for community engagement and student scholarship development. J Am Coll Clin Pharm 2021;4:203-10.
- Todd M, Yun G, Antoniou S, Van Slageren A, Miller ML, **Schellhase E**. From there to here: evaluating the transition of an international advanced pharmacy practice experience in London. Purdue Journal of Service-Learning and Engagement 2021;8:16.

## Health Equity PRN

The Health Equity PRN wishes to congratulate its members on their accomplishments in the previous year. We look forward to presenting our focus session presentations at the ACCP Global Conference on Clinical Pharmacy and implementing our educational, research, and mentorship initiatives. As the PRN expands, we look forward to opportunities to collaborate and more ways to engage our members. Please reach out to us if you have any questions or ideas to promote health equity in our profession.

## Promotions

- **Titilola Afolabi**: Associate Professor, Midwestern University, College of Pharmacy-Glendale Campus.
- **Hope Campbell**: Professor, Department of Pharmacy Practice, Belmont University College of Pharmacy.

## Awards

- **Jacinda Abdul-Mutakabbir**: Wayne State University, Warrior of Distinction Alumni Award. Society of Infectious Diseases Pharmacists Gita Patel Award; Society of Infectious Diseases Pharmacists Early Career Research Award. Inland Empire of Concerned African American Churches Dorothy Ingram Trailblazer Award. Women Pharmacist Day Pharmacist of the Year Finalist.

- **Omolola Adeoye-Olatunde:**  
Indiana Pharmacists Association Distinguished Bowl of Hygeia Award.  
Purdue University Societal Impact Fellow.  
ACCP Health Outcomes Practice and Research Network (PRN) Paper of the Year Award.
- **Hope Campbell:** Condit Steil Professional Stewardship Award, Belmont University College of Pharmacy.
- **Ifeanyi Egbunike-Chukwuma:**  
Leader of the Year, University of Maryland Medical Center Midtown Campus.  
Preceptor of the Year, University of Maryland School of Pharmacy.
- **Iain Pritchard:** 2021 VPhA Distinguished Young Pharmacist, Virginia Pharmacists Association.
- **Ila Saunders:** SSPPS Excellence in Teaching Award, UC San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences.

## Grants

- **Jacinda Abdul-Mutakabbir:**  
Determining the Mediators of Resistance of SPR206, a Novel Polymyxin Derivative, in *Acinetobacter baumannii*. Society of Infectious Diseases Pharmacists. Principal Investigator (\$17,000).  
Determining the Mediators of Resistance of SPR206, a Novel Polymyxin Derivative, in *Acinetobacter baumannii*. Loma Linda University GRASP Grant. Principal Investigator (\$75,000).  
Understanding the Social and Behavioral Dimensions of COVID-19 Vaccine Acceptance Among Healthcare Workers in Sierra Leone: Implications for Community Vaccine Uptake. Sabin Institute Vaccine Confidence Grant. Co-Principal Investigator (\$47,084).
- **Omolola Adeoye-Olatunde:**  
Indiana Health Equity Council Community Health Worker Model, CDC ELC Enhancing Detection Expansion. Indiana Department of Health [contract]. Principal Investigator (\$2,651,417).  
Social Determinants of Health (SDOH) and Medication Adherence Among Chronically Ill Older Adults in the United States. NIH-NCATS Indiana CTSI. Principal Investigator (\$8500).  
Addressing Food Insecurity and COVID-19 Vaccine Hesitancy and Accessibility: A Novel Mass Vaccination Model for Vulnerable Communities. Marion County Public Health Department, City of Indianapolis, and Resolve to Save Lives. Principal Investigator (\$9000).  
Assessing the Impact of Unconditional Cash Transfers on Diabetes, Quality-of-Life and Social Determinants of Health Outcomes in Low-Income

Populations: What Role Can Pharmacy Play?

Gloria Niemeyer Francke Grant Program [institutional award]. Principal Investigator (\$7500).

- **Francesca Napolitano:** Concordia Intramural Teaching Grant, Concordia University Wisconsin. Principal Investigator (\$1197).
- **Shawn Smith:** Improving Access to Behavioral Health Services in Homeless Shelters. National Association of Free and Charitable Clinics & CVS Health Foundation. Principal Investigator (\$30,000).

## Publications

- **Abdul-Mutakabbir JC**, Arya V, Butler L.  
Acknowledging the intersection of gender inequity and racism: identifying a path forward in pharmacy. *Am J Health Syst Pharm* 2021 Dec 4. [Epub ahead of print]
- **Abdul-Mutakabbir JC**, Griffith N, Shields RK, et al. Contemporary perspective on the treatment of *Acinetobacter baumannii* infections. *Infect Dis Ther* 2021;10:2177-202.
- Dubov A, Distelberg B, **Abdul-Mutakabbir JC**, et al. Predictors of COVID-19 vaccine acceptance and hesitancy among healthcare workers in Southern California: not just “anti” vs. “pro” vaccine. *Vaccines* 2021;9:1428.
- FakhriRavari A, Simiyu B, Morrisette T, Dayo Y, **Abdul-Mutakabbir JC**. Infectious disease: how to manage gram-positive and gram-negative pathogen conundrums with dual beta-lactam therapy. *Drugs Context* 2022;11:2021-8-9.
- Grant VC, Nguyen K, Rodriguez S, Zhou AY, **Abdul-Mutakabbir JC**, et al. Characterizing safety and clinical outcomes associated with high dose micafungin utilization in patients with proven invasive candidiasis. *Trop Med Infect Dis* 2022;7:23.
- Kebriaei R, Stamper K, Lev K, Morrisette T, **Abdul-Mutakabbir J**, et al. Exebacase in addition to daptomycin against MRSA. *Antimicrob Agents Chemother* 2021;65:e0012821.
- Teklu Y, Bell M, Saunders I, **Abdul-Mutakabbir JC**. Diversifying the clinical pipeline: the necessity of diverse, equitable, and inclusive initiatives to advance the placement of underrepresented minoritized students in postgraduate pharmacy training. *J Am Coll Clin Pharm*. [In press]
- **Adeoye-Olatunde OA**, Olenik NL. Research and scholarly methods: semi-structured interviews. *J Am Coll Clin Pharm* 2021;4:1358-67.
- Bryan MA, Charron E, **Adeoye-Olatunde OA**, et al. Concomitant cannabis misuse and associations with depression, pain and substance misuse among patients prescribed opioids. *Pharmacy* 2021;9:134.



- Cochran G, Brown J, Yu Z, Frede S, Bryan A, Ferguson A, Bayyari N, Snyder M, Charron E, Ghitza U, **Adeoye-Olatunde OA**, et al. Validation and threshold identification of a prescription drug monitoring program clinical opioid risk metric with the WHO alcohol, smoking, and substance involvement screening test. *Drug Alcohol Depend* 2021;228:109067.
- Rodriguez NM, Ruiz Y, Meredith AH, Kimiecik C, **Adeoye-Olatunde OA**, et al. Indiana community health workers: challenges and opportunities for workforce development. *BMC Health Serv Res* 2022;22:117.
- **Afolabi TM**, Pogge E, Early N, et al. Evaluating the impact of integrating SMART goal setting in preceptor development using the Habits of Preceptors Rubric. *Am J Hosp Pharm*. [In press]
- **Afolabi TM**, Fairman K. Association of physician time expenditure with provision of asthma action plans and education for pediatric patients: regression-adjusted mediation analysis of a national sample of office visits. *J Pediatr Pharmacol Ther*. [In press]
- Arif S, **Afolabi T**, Mitrzyk BM, et al. Engaging in authentic allyship as part of our professional development. *Am J Pharm Educ* 2021 Aug 12. [Epub ahead of print]
- Emmons RP, Harris IM, Abdalla M, **Afolabi TM**, et al. Impact of remote delivery of clinical pharmacy services on health disparities and access to care. *J Am Coll Clin Pharm* 2021;4:1492-501.
- Goodlet KJ, Raney E, Buckley K, **Afolabi T**, et al. Impact of the COVID-19 pandemic on the emotional intelligence of student pharmacist leaders. *Am J Pharm Educ* 2022;86:8519.
- **Campbell H**, **Abdul-Mutakabbir JC**, Hodge D. The (contrasted) ethics of Covid-19 and HIV: will the favor be returned? *J Healthc Sci Humanit* 2021;11:107-21.
- **Campbell HE**, Hagan AM, Gaither C. Addressing the need for ethnic and racial diversity in the pipeline for pharmacy faculty. *Am J Pharm Educ* 2021;85:8586.
- Nonyel NP, Wisseh C, Riley AC, **Campbell HE**, et al. Conceptualizing a social ecological model in pharmacy to address racism as a social determinant of health. *Am J Pharm Educ* 2021;85:8584.
- Emmons RP, Harris IM, Abdalla M, **Afolabi TM**, Barner AE, Baxter MV, Bisada M, Chase AM, **Christenberry EJ**, et al. Impact of remote delivery of clinical pharmacy services on healthcare disparities and access to care. *J Am Coll Clin Pharm* 2021;4:1492-501.
- Burnett Y, **Jimenez H**. Sexually transmitted infections. In: DiPiro JT, Yee GC, Michael Posey LL, et al., eds. *DiPiro's Pharmacotherapy: A Pathophysiologic Approach*, 12th ed. McGraw-Hill, 2021.
- Hanna J, Sufian J, Suh JS, **Jimenez HR**. Hepatitis C virus micro-elimination within a clinic for people with HIV: challenges in the home stretch. *HIV Med* 2022 Feb 12. [Epub ahead of print]
- Suh JS, **Jimenez HR**. Viral infections. In: Kuritzkes DR, Eron JJ, eds. *Management of specific disease states*. inPractice, 2021.
- Jester AP, **Murphy PZ**. Pharmacists' knowledge and perceptions of health literacy. *J Pharm Pract* 2022 Feb 24. [Epub ahead of print]
- **Napolitano F**. Implementation and analysis of a LGBTQ cultural competency module on pharmacy student knowledge. *Curr Pharm Teach Learn* 2022 Jan 24. [Epub ahead of print]
- **Osa SP**, Chastain DB, Young HN. Pharmacists role in addressing health disparities. Part 1: Social determinants of health and their intersectionality with medication use, health care utilization, and health outcomes. *J Am Coll Clin Pharm* 2021 Nov 10. [Epub ahead of print]
- **Osa SP**, Chastain DB, Young, HN. Pharmacists role in addressing health disparities. Part 2: Strategies to move toward health equity. *J Am Coll Clin Pharm* 2022 Jan 8. [Epub ahead of print]
- **Owusu KA**, Ammar AA. Drug-induced neurotoxicity. In: Flannery AH, Zimmerman LH, eds. *Critical Care Self-Assessment Program*, 2022 Book 1. Neurocritical Care. American College of Clinical Pharmacy, 2022:99-133.
- **Owusu KA**, Effendi MK, Thompson Bastin ML, et al. Narrative review: addressing COVID-19 vaccine concerns in special and vulnerable populations. *Hosp Pharm* 2022 Jan 19. [Epub ahead of print]
- Kiplagat J, Tran DN, Barber T, Njuguna B, Vedanthan R, Triant VA, **Pastakia SD**. How health systems can adapt to a population ageing with HIV and comorbid disease. *Lancet HIV* 2022 Feb 23. [Epub ahead of print]
- **Pastakia SD**, Clark A, Lewis K, Taugher D. Expanding comprehensive medication management considerations to include responses to the social determinants of health within the BD Helping Build Healthy Communities Program. *J Am Coll Clin Pharm* 2022. [In press]
- **Pastakia SD**, Clark A, Lewis K, Taugher D, Patel R, Ali L, Wu C, Butler R, Bateman TM, McCarthy C, Vargas J, Poulosom C. The impact of clinical pharmacist led medication therapy management for diabetes care at federally qualified health centers within the BD Helping Build Healthy Communities Program. *J Am Coll Clin Pharm* 2021 Dec 19. [Epub ahead of print]

- Chang AY, Karwa R, Odhiambo H, Were P, Fletcher SL, Tonui EC, Kohn MA, Lee J, Chang D, Lensing S, Namaemba DF, Busakhala N, Kiprono SK, Maurer T, Goodrich S, **Pastakia SD**. Compression therapy for HIV-associated Kaposi sarcoma leg lymphedema: results of the Kenyan Improved Compression for Kaposi Sarcoma randomized controlled trial. *JCO Glob Oncol* 2022;8:e2100329.
- Deyoe JE, Amisi JA, Szkwarko D, Tran DN, Luetke M, Kianersi S, Lee SH, Namae J, Genberg B, Laktabai J, **Pastakia S**, et al. The relationship between household microfinance group participation and vaccine adherence among children in rural western Kenya. *Matern Child Health J* 2021;25:1725-34.
- Dong R, Leung C, Naert MN, Naanyu V, Kiptoo P, Matelong W, Matini E, Orango V, Bloomfield GS, Edelman D, Fuster V, Manyara S, Menya D, **Pastakia SD**, et al. Chronic disease stigma, skepticism of the health system, and socio-economic fragility: qualitative assessment of factors impacting receptiveness to group medical visits and microfinance for non-communicable disease care in rural Kenya. *PLoS One* 2021;16:e0248496.
- Genberg BL, Wilson-Barthes MG, Omodi V, Hogan JW, Steingrimsson J, Wachira J, **Pastakia SD**, et al. Microfinance, retention in care, and mortality among patients enrolled in HIV 2 Care in East Africa. *AIDS* 2021;35:1997-2005.
- Johnson CA, Tran, DN, Mwangi A, Sosa-Rubi SG, Chivardi C, Romero-Martinez M, **Pastakia SD**, Robinson E, Jennings Mayo-Wilson L, Gallaraga O. Incorporating respondent-driven sampling into web-based discrete choice experiments: preferences for COVID-19 mitigation measures. *Health Serv Outcomes Res Method* 2022 Jan 11. [Epub ahead of print]
- Kiragu ZW, Gathecha G, Mwangi MK, Ndegwa Z, **Pastakia S**, et al. Access to medicines for non-communicable diseases (NCDS) during COVID-19 in Kenya: a descriptive commentary. *Health Syst Reform* 2021;7:e1984865.
- Pillsbury MKM, Mwangi E, Andesia J, Njuguna B, Bloomfield GS, Chepchumba A, Kamano J, Mercer T, Miheso J, **Pastakia SD**, et al. Human-centered implementation research: a new approach to develop and evaluate implementation strategies for strengthening referral networks for hypertension in western Kenya. *BMC Health Serv Res* 2021;21:910.
- Ruchman SG, Delong AK, Kamano JH, Bloomfield GS, Chrysanthopoulou SA, Fuster V, Horowitz CR, Kiptoo P, Matelong W, Mugo R, Naanyu V, Orango V, **Pastakia SD**, et al. Egocentric social network characteristics and cardiovascular risk among patients with hypertension or diabetes in western Kenya: a cross-sectional analysis from the BIGPIC trial. *BMJ Open* 2021;11:e049610.
- Sang N, **Pastakia S**, Nyanje S. International normalized ratio (INR) increases amongst two patients living with HIV on warfarin after being switched from a nevirapine to a dolutegravir-based antiretroviral regimen. *Case Rep Infect Dis* 2021;2021:9384663.
- Pham QT, Le XTT, **Phan TC**, et al. Impacts of COVID-19 on the life and work of healthcare workers during the nationwide partial lockdown in Vietnam. *Front Psychol* 2021;12:563193.
- Duque A, Arrighi S, Sanchez D, **Santibañez M**. 24: Pharmacologic management of heart failure with recovered ejection fraction [abstract]. *J Am Coll Clin Pharm* 2021;4:1199-200.
- Lee A, Oley F, Lo M, Fong R, McGann M, **Saunders I**, et al. Direct oral anticoagulants or low-molecular-weight heparins for venous thromboembolism in patients with brain tumors. *Thromb Res* 2021;208:148-55.
- Makunts T, **Saunders IM**, Cohen IV, et al. Myocarditis occurrence with cancer immunotherapy across indications in clinical trial and post-marketing data. *Sci Rep* 2021;11:17324.
- Novatcheva ED, Anouty Y, **Saunders I**, et al. FMS-like tyrosine kinase 3 inhibitors for the treatment of acute myeloid leukemia. *Clin Lymphoma Myeloma Leuk* 2022;22:e161-e184.
- On S, Rath CG, Lan M, Wu B, Lau KM, Cheung E, Alegria W, Young R, Tan M, Kim C, Phun J, Patel N, Mannis G, Logan AC, Kennedy V, Goodman A, Taplitz RA, Young PA, Wen R, **Saunders IM**. Characterisation of infections in patients with acute myeloid leukaemia receiving venetoclax and a hypomethylating agent. *Br J Haematol* 2022 Feb 16. [Epub ahead of print]
- **Smith SR**, Ruiz CW, Ali S, et al. A pharmacist-led collaborative care model for cardiometabolic risk reduction: a case study. *ADCS Pract* 2021;9:16-23.
- Foreman BJ, **Westerhof L**, Benzer J, et al. Impact of order sentence implementation on outpatient antibiotic prescribing for urinary tract infection and skin and soft tissue infection. *J Am Coll Clin Pharm* 2021 Dec 8. [Epub ahead of print]

## Presentations

- **Jacinda Abdul-Mutakabbir**: Dean's Seminar. University of Kentucky. January 2022; virtual.  
Looking forward: implementing diagnostic stewardship in antimicrobial stewardship efforts. IDWeek. September 2021; virtual.  
Abdelmotaal Y. Tips from the field – influenza. American Pharmacists Association. September 2021; virtual.

How to develop an equitable process for COVID-19 vaccine delivery. Purdue University. September 2021; virtual.

- **Omolola Adeoye-Olatunde:**

**Adeoye-Olatunde OA**, Crawford E, Heiner KH, Dugan S, Smith J, Barnett E, Estell S, Pastakia S, Gonzalvo J. Implementing an innovative food access model to improve COVID-19 vaccine access. Poster presented at: NIH Food Insecurity, Neighborhood Food Environment, and Nutrition Health Disparities: State of the Science; September 2021; virtual.

Kimiecik C, Kimera LF, Meredith AH, Gonzalvo JD, Ruiz Y, Rodriguez NM, **Adeoye-Olatunde OA**. Expanding a robust CHW workforce in Indiana: key challenges and recommendations from a statewide needs assessment and cross-state comparisons. Poster presented at: American Public Health Association Annual Conference; October 2021; virtual.

Waghmare PH, Huang CY, Jaynes HA, Zillich AJ, **Adeoye-Olatunde OA**. Disparities in Medicare beneficiaries' receipt of medication synchronization. Poster presented at: Purdue University College of Pharmacy Research Conference; November 2021; West Lafayette, IN.

Wellington A, Howard N, Ruml C, Caward K, **Adeoye-Olatunde OA**. The Purdue College of Pharmacy diversity, equity, and inclusion instructional material review service for faculty and staff. Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.

- **Sharmon P. Osae**. Pharmacists role in addressing health disparities: social determinants of health and their intersectionality with medication use, healthcare utilization, and health outcomes. Keynote address presented at: Joint Commission of Pharmacy Practitioners Meeting, February 2022; Alexandria, VA.
- **Tam C. Phan:**
  - Phan TC**. Advancement in HIV pharmacotherapy: a historical perspective. Presented at: Chapman University SCCP-ACCP; November 2021; virtual.
  - Phan TC**. Healthy aging: you and your medicine. Presented at: Aging Mastery Program at the Los Angeles LGBT Center Senior Services; October 2021; virtual.
  - Phan TC**, Thibeau N. TRANScending healthcare: health disparities in the transgender population and pharmacotherapy considerations for gender affirmation. Presented at: University of Florida College of Pharmacy; November 2021; virtual.
- **Melissa Santibañez:**
  - Infectious complications associated with COVID-19 therapies. Virtual presentation for American

College of Clinical Pharmacy Clinical Reasoning Series in Pharmacotherapy for Dual Recertification in Critical Care Pharmacy and Pharmacotherapy; November 2021; virtual.

Beyond the shakes: treatment of alcohol withdrawal in the critically ill. Presented at: FSHP Annual Meeting Critical Care Track; August 2021; Orlando, FL.

#### New ACCP Fellow

- **Lalita Reddy**

#### Other Accomplishments

- **Kent Owusu:** Chair, Pharmacotherapy of Neurocritical Care Series; Chair, Neurocritical Care Society.
- **Tam C. Phan:** Vice President for Professional Development, Vietnamese Pharmacist Association – USA.

#### Health Outcomes PRN

##### Promotions

- **Adriane N. Irwin:** Chair, Department of Pharmacy Practice, Oregon State University College of Pharmacy.
- **Aubrey E. Jones:** Assistant Research Professor, University of Utah College of Pharmacy, Department of Pharmacotherapy.

##### Awards

- **Omolola A. Adeoye-Olatunde:**
  - Indiana Pharmacists Association Distinguished Bowl of Hygeia Award.
  - Purdue University Societal Impact Fellow.
  - American College of Clinical Pharmacy Health Outcomes Practice and Research Network (PRN) Paper of the Year Award.
- **Scott A. Soefje:**
  - Quality Fellow – Silver, Mayo Clinic.
  - Excellence Through Teamwork Award – Enterprise USP 800 Project Team, Mayo Clinic.
- **Tyler D. Wagner:**
  - Predoctoral Fellow in Health Outcome Disparities, American Foundation for Pharmaceutical Education.
  - Distinguished Service Award, ISPOR.
- **Erin Weeda:**
  - P2 Teacher of the Year, MUSC College of Pharmacy.
  - Researcher of the Year, MUSC College of Pharmacy.
  - University Teaching Excellence Award – Developing Teacher MUSC.

## Grants

- **Omolola A. Adeoye-Olatunde:**  
Indiana Health Equity Council Community Health Worker Model, CDC ELC Enhancing Detection Expansion – Indiana Department of Health [contract], Principal Investigator (\$2,651,417).  
Social Determinants of Health (SDOH) and Medication Adherence among Chronically Ill Older Adults in the United States, NIH-NCATS Indiana CTSI, Principal Investigator (\$8500).  
Addressing Food Insecurity and COVID-19 Vaccine Hesitancy and Accessibility: A Novel Mass Vaccination Model for Vulnerable Communities. Marion County Public Health Department, City of Indianapolis, and Resolve to Save Lives, Principal Investigator (\$9000).  
Assessing the Impact of Unconditional Cash Transfers on Diabetes, Quality-of-Life and Social Determinants of Health Outcomes in Low-Income Populations: What Role Can Pharmacy Play? Gloria Niemeyer Francke Grant Program [institutional award], Principal Investigator (\$7500).
- **Aubrey E. Jones:** A Theory-Based Practice Guide for Creating Patient Education (K23 Career Development Award). National Heart, Lung, and Blood Institute (NHLBI) of the National Institutes of Health (NIH), Principal Investigator (\$748,115).
- **Molly A. Nichols:** National Research Service Award (NRSA) Individual Postdoctoral Fellowship (F32). Agency for Healthcare Research and Quality (AHRQ), Principal Investigator (\$70,452).
- **Tyler D. Wagner:** American Foundation for Pharmaceutical Education – Predoctoral Fellowship in Health Outcome Disparities, AFPE, Principal Investigator (\$10,000).

## Publications

- **Adeoye-Olatunde OA, Olenik NL.** Research and scholarly methods: semi-structured interviews. *J Am Coll Clin Pharm* 2021;4:1358-67.
- Bryan MA, Charron E, **Adeoye-Olatunde OA**, et al. Concomitant cannabis misuse and associations with depression, pain and substance misuse among patients prescribed opioids. *Pharmacy* 2021;9:134.
- Rodriguez NM, Ruiz Y, Meredith AH, Kimiecik C, **Adeoye-Olatunde OA**, et al. Indiana community health workers: challenges and opportunities for workforce development. *BMC Health Serv Res* 2022;22:117.
- **Burruss R**, Arikian V, Oleru K, et al. POSC374 association of COVID-19 with adherence to oral specialty pharmacy oncology medications and quality of life of multiple myeloma patients. *Value Health* 2021;25:S246.

- **Covvey JR**, Arya V, DiPietro Mager N, et al., eds. *Public Health in Pharmacy Practice: A Casebook*, 2nd ed. Milne Open Textbooks, 2021.
- **Covvey JR**, Guarascio AJ. Clinical use of lefamulin: a first-in-class semisynthetic pleuromutilin antibiotic. *J Intern Med* 2022;291:51-63.
- Connor SE, Jonkman LJ, **Covvey JR**, et al. A systematic review of global health assessment for healthcare professions education. *Ann Glob Health* 2022;88:1.
- Janke KK, **Covvey JR**, Mospan CM, et al. But scholarship *can be* hard in many ways. *Am J Pharm Educ* 2021;85:8620.
- Rao D, Giannetti V, Kamal KM, **Covvey JR**, et al. Pharmacist views regarding the prescription opioid epidemic. *Subst Use Misuse* 2021;56:2096-105.
- **Gionfriddo MR**, Duboski V, Middernacht A, Kern MS, Graham J, **Wright EA**. A mixed methods evaluation of medication reconciliation in the primary care setting. *PLoS One* 2021;16:e0260882.
- Jones LK, Ladd IG, Gregor C, Evans MA, Graham J, **Gionfriddo MR**. Evaluating implementation outcomes (acceptability, adoption, and feasibility) of two initiatives to improve the medication prior authorization process. *BMC Health Serv Res* 2021;21:1259.
- Kheloussi S, Johns A, Parente V, McLay W, **Gionfriddo MR**. Cost and clinical impact of a nonmedical DPP-4 inhibitor switch in patients with diabetes. *J Manag Care Spec Pharm* 2021;27:846-54.
- Larson S, Nemoianu A, Lawrence DF, Troup MA, **Gionfriddo MR**, et al. Characterizing primary care for patients with major depressive disorder using electronic health records of a US-based healthcare provider. *J Affect Disord* 2022;300:377-84.
- **Jones AE**, Saunders J, Vazquez SR, et al. A survey of current anticoagulation patient education practices and development. *Thromb Res* 2021;208:11-3.
- Brewster AC, **Jones AE**, Johnson SA, et al. Outcomes of isolated distal thrombosis managed with serial compression ultrasonography. *Thromb Res* 2021;208:66-70.
- Johnson SA, **Jones AE**, Young E, et al. A risk-stratified approach to venous thromboembolism prophylaxis with aspirin or warfarin following total hip and knee arthroplasty: a cohort study. *Thromb Res* 2021;206:120-7.
- **Lussier ME**, Learn LS, Aftewicz H, Webster L, Gazes S, Kern MS, **Gionfriddo MR**, Graham J, Longyhore DS, **Wright EA**. Implementation and evaluation of a centralized pharmacy telehealth center within an integrated health delivery system. *J Am Coll Clin Pharm* 2021;4:1384-91.



- Mills AR, **Nichols MA**, Davenport ES. Chronic pain and medical cannabis: review and practice considerations in persons living with HIV. *J Am Coll Clin Pharm* 2021 Dec 18. [Epub ahead of print]
- Cochran G, Brown J, Yu Z, Frede S, Bryan A, Ferguson A, Bayyari N, **Snyder M**, Charron E, Ghitza U, **Adeoye-Olatunde OA**, et al. Validation and threshold identification of a prescription drug monitoring program clinical opioid risk metric with the WHO alcohol, smoking, and substance involvement screening test drug and alcohol dependence. *Drug Alcohol Depend* 2021;228:67.
- **Soefje SA**. Dosing chemotherapy in obese patients, still not answered [editorial]. *J Hematol Oncol Pharm* 2021;11:304-5.
- **Soefje SA**, Jensen C, Bartels T, et al. Operationalizing biosimilars at Mayo Clinic. *Pharmacy Purchasing & Products* 2021;18:8-10.
- **Soefje SA**, Rickabaugh K, Rajkumar R, et al. Evaluation of closed-system transfer devices in reducing potential risk for surface contamination following simulated hazardous-drug preparation and compounding. *Int J Pharm Compd* 2021;25:515-22.
- Golbach AP, McCullough KB, **Soefje SA**, et al. Evaluation of burnout in a national sample of hematology-oncology pharmacists. *J Oncol Pract* 2021 Nov 18. [Epub ahead of print]
- Golbach AP, **Soefje SA**. Breaking the bank: financial toxicity in cancer care. *Pharmacy Times* 2021;3.
- Shah V, Spence A, Bartels T, Betcher J, **Soefje SA**. Decreasing drug waste, reducing drug costs, and improving workflow efficiency through the implementation of automated chemotherapy dose rounding rules in the electronic health record system. *Am J Health Syst Pharm* 2021 Dec 23. [Epub ahead of print]
- **Vouri SM**, Jiang X, Morris EJ, et al. Use of negative controls in a prescription sequence symmetry analysis to reduce time-varying bias. *Pharmacoepidemiol Drug Saf* 2021;30:1192-9.
- **Vouri SM**, Morris EJ, Jiang X, et al. Evaluation of a beta-blocker – edema – loop diuretic prescribing cascade: a prescription sequence symmetry analysis. *Am J Hypertens* 2022 Feb 1. [Epub ahead of print]
- **Vouri SM**, Morris EJ, Usmani SA, et al. Evaluation of the key prescription sequence symmetry analysis assumption using the calcium channel blocker – loop diuretic prescribing cascade. *Pharmacoepidemiol Drug Saf* 2022;31:72-81.
- Al Askar, Brown JD, Voils S, **Vouri SM**. Loop diuretic use following fluid resuscitation in the critically ill. *Am J Health Syst Pharm* 2022;79:165-72.
- DeRemer CE, **Vouri SM**, Guo J, et al. Comparing cardiovascular benefits between GLP-1 receptor agonists and SGLT2 inhibitors as an add-on to metformin among patients with type 2 diabetes: a retrospective cohort study. *J Diabetes Complicat* 2021;35:107972.
- Jiang X, **Vouri SM**, Diaby V, et al. Healthcare utilization and costs associated with direct-acting antivirals for patients with substance use disorders and chronic hepatitis C. *J Manag Care Pharm* 2021;27:1388-402.
- Li P, Patel R, **Vouri SM**, et al. The diminishing cost-effectiveness of the newer glucose-lowering drug classes in the United States: 2010-2018. *Curr Med Res Opin* 2021;37:1875-80.
- Morris EJ, Brown JD, Manini TM, **Vouri SM**. Differences in health-related quality-of-life among adults with a potential dihydropyridine calcium channel blocker – loop diuretic prescribing cascade. *Drugs Aging* 2021;38:625-32.
- Morris EJ, Hollmann J, Hofer AK, Bhagwandass H, Oueini R, Adkins L, Hallas J, **Vouri SM**. Evaluating the use of prescription sequence symmetry analysis as a pharmacovigilance tool: a scoping review. *Res Social Adm Pharm* 2021 Aug 5. [Epub ahead of print]
- Oueini R, Goodin AJ, Hincapie-Castillo JM, **Vouri SM**. Co-utilization of opioids and non-benzodiazepine hypnotic drugs in U.S. ambulatory care visits, 2006-2016. *J Am Pharm Assoc (2003)* 2021 Oct 22. [Epub ahead of print]
- Shen Y, Hincapie-Castillo JM, **Vouri SM**, et al. Chronic opioid therapy utilization following an acute pain prescription supply restriction law: an interrupted time series analysis. *Pain Physician* 2021;24:417-24.
- Valdes IL, Possinger MC, Hincapie-Castillo JM, Goodin AJ, Dewar MA, Sumfest JM, **Vouri SM**. Changes in prescribing by provider type following a state prescription opioid restriction law. *J Gen Intern Med* 2021 Jul 8. [Epub ahead of print]
- Wang CY, Heldermon CD, **Vouri SM**, et al. Trends in use of granulocyte colony-stimulating factor following introduction of biosimilars among adults with cancer and commercial or Medicare insurance, 2014-2019. *JAMA Netw Open* 2021;4:e2133474.
- Yang L, Gabriel N, Hernandez I, **Vouri S**, et al. Identifying patients at risk of acute kidney injury among Medicare beneficiaries with type 2 diabetes initiating SGLT2 inhibitors: a machine learning approach. *Front Pharmacol* 2022. [In press]
- Holdford DA, Pontinha VM, **Wagner TD**. Using the business model canvas to guide students in building business plans. *Am J Pharm Educ* 2021 Aug 12. [Epub ahead of print]

- Llayton C, **Wagner TD**, Anderson AN, et al. Increasing pharmacy student knowledge and confidence in lesbian, gay, bisexual, transgender, queer, intersex, asexual, and others (LGBTQIA+) patient care through skills laboratory-based exercises. *Am J Pharm Educ* 2021 Oct 25. [Epub ahead of print]
- **Weeda ER**, Alnewais ME, Zecopoulos A, et al. Social determinants of health in United States counties where guideline influencing diabetes were conducted. *Diabetes Care* 2022. [In press]
- **Weeda ER**, Burnette B, Rowe S, et al. Disparity of rural-urban distribution of clinical trial sites used in studies cited by diabetes treatment guidelines. *Diabetes Obes Metab* 2022;24:561-3.
- **Weeda ER**, Gilbert R, Kolo S, et al. Impact of pharmacist-driven transitions of care interventions on post-hospital outcomes among patients with coronary artery disease: a systematic review. *J Pharm Pract* 2021 Dec 28. [Epub ahead of print]
- Buchanan CH, Brown EA, Bishu KG, **Weeda E**, et al. The magnitude and potential causes of sex disparities in statin therapy in veterans with type 2 diabetes: a 10-year nationwide longitudinal cohort study. *Womens Health Issues* 2021 Dec 20. [Epub ahead of print]
- Burgoon R, **Weeda E**, Mediwalla KN, et al. Clinical utility of negative methicillin-resistant *Staphylococcus aureus* (MRSA) nasal surveillance swabs in skin and skin structure infections. *Am J Infect Control* 2021 Dec 25. [Epub ahead of print]
- Marini J, Bass B, Rennbaum J, **Weeda ER**, et al. Evaluation of the relationship between hypoalbuminemia and oral tyrosine kinase inhibitor toxicity in adult patients with solid tumor malignancies. *J Hematol Oncol Pharm* 2021. [In press]
- Morinelli TA, Taber DJ, Su Z, Rodrigue JR, Sutton Z, Chastain M, Tindal TT, **Weeda E**, et al. A dialysis center educational video intervention increases patient self-efficacy and kidney transplant evaluations. *Prog Transplant* 2021 Dec 7. [Epub ahead of print]
- Ward R, **Weeda ER**, Taber DJ, et al. Advanced models for improved prediction of opioid-related overdose and suicide events among veterans using administrative healthcare data. *Health Serv Outcomes Res Methodol* 2021;2:1-21.
- Wiethorn EE, Harrison S, **Weeda ER**, et al. Effectiveness and safety of twice- versus thrice-daily subcutaneous heparin for venous thromboembolism prophylaxis at a large academic medical center. *Ann Pharmacother* 2021 Aug 29. [Epub ahead of print]
- **Wilson AS**, Vazquez SR, Saunders JA, et al. Concordance of experienced-based maintenance warfarin dosing vs. algorithm-based dosing. *Thrombosis Update* 2022;6:100093.
- Graybill M, Duboski V, Webster L, Kern M, **Wright E**, Graham J, Blanchard C, **Gionfriddo MR**. Medication therapy problems identified by pharmacists conducting telephonic comprehensive medication management within a team-based at-home care program. *J Am Coll Clin Pharm* 2021;4:801-7.

## Presentations

- **Adeoye-Olatunde OA**, Crawford E, Heiner KH, Dugan S, Smith J, Barnett E, Estell S, Pastakia S, Gonzalvo J. Implementing an innovative food access model to improve COVID-19 vaccine access. Poster presented at: NIH Food Insecurity, Neighborhood Food Environment, and Nutrition Health Disparities: State of the Science; September 2021; virtual.
- Kimiecik C, Kimera LF, Meredith AH, Gonzalvo JD, Ruiz Y, Rodriguez NM, **Adeoye-Olatunde OA**. Expanding a robust CHW workforce in Indiana: key challenges and recommendations from a statewide needs assessment and cross-state comparisons. Poster presented at: American Public Health Association Annual Conference; October 2021; virtual.
- Waghmare PH, Huang CY, Jaynes HA, Zillich AJ, **Adeoye-Olatunde OA**. Disparities in Medicare beneficiaries' receipt of medication synchronization. Poster presented at: Purdue University College of Pharmacy Research Conference; November 2021; West Lafayette, IN.
- Wellington A, Howard N, Ruml C, Caward K, **Adeoye-Olatunde OA**. The Purdue College of Pharmacy diversity, equity, and inclusion instructional material review service for faculty and staff. Poster presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- **Gionfriddo MR**:  
Utilizing mixed methods to improve medication reconciliation. Presented at: FORS Research Colloquium Series; November 2021; Pittsburgh, PA.  
Systematic reviews. Presented at: American College of Clinical Pharmacy Health Outcomes PRN Research Design Webinar Series; November 2021; virtual.  
Effect of a web-based medication reconciliation tool on medication discrepancies in a primary care population. Presented at: HCSRN Data Resources Forum; November 2021; virtual.

- **Soefje SA:**

Measuring value in precision medicine. Presented at: 9th Forum on New Advances in Anti-tumor Drug Research and Precision Therapy of Tumors; December 2021; virtual.

Implementing and optimizing biosimilar medication use at Mayo Clinic, Vizient Connections Summit. Presented at: Unite202One; November 2021; virtual.

Expedite workflow and manage HD challenges with CSTDs. Presented at: Pharmacy Products & Purchasing, To the Point; November 2021; virtual.

Biosimplified: lessons learned from implementing biosimilars. Presented at: Minnesota Society of Health-System Pharmacists Midyear Clinical Meeting; November 2021; virtual.

Measuring value in cancer care – pharmacist certification program. Presented at: Mayo Clinic Global Professional Education; October 2021; virtual.

Measuring value in cancer care – drug and quality management. Presented at: Mayo Clinic Global Professional Education; September 2021; virtual.

#### Other Notable Achievements

- **Vouri SM:**

Member of the Research Methods Subcommittee, American Geriatrics Society.

Guest Co-Editor, Deprescribing in CVD, *American Heart Journal Plus*.

Co-Chair, International Society of

Pharmacoepidemiology Midyear Meeting 2022.

## Hematology/Oncology PRN

#### Promotions

- **Deborah Hass:** Retired after 42 years of practice at many different locations throughout the United States – most recently, West Coast University– Los Angeles.
- **Sarah M. Hayes:** Hematology/Oncology Clinical Pharmacy Specialist, North Memorial Health, Minneapolis, MN.
- **Lisa Holle:** Clinical Professor, UConn School of Pharmacy.
- **Roshawn Watson:** Senior Director, Clinical Development, Bicycle Therapeutics.
- **Olivia White:** PGY2 Oncology Pharmacy Resident, Duke University Hospital.

#### Awards

- **Onye Ononogbu:** Completion of American College of Clinical Pharmacy Research and Scholarship Certificate Program.
- **Jennifer Thackray:** Institute for Safe Medication Practices Cheers Award – KIDs List

Collaborative, Commissioned by the Pediatric Pharmacy Association.

#### Publications

- Bobbitt LJ, Satyanarayana G, Van Metre Baum L, Nebhan CA, Kassim AA, **Gatwood KS**. Evaluation of healthcare-associated infection rates in patients with hematologic malignancies and stem cell transplantation during the coronavirus disease 2019 (COVID-19) pandemic. *Antimicrob Steward Healthc Epidemiol* 2022;2:e11.
- **Hanna KS**, Larson S, Nguyen J, et al. The role of enfortumab vedotin and sacituzumab govitecan for advanced bladder cancer. *Am J Health Syst Pharm* 2021 Dec 3. [Epub ahead of print]
- **Hanna KS**, Larson S, Nguyen J, et al. Updates in the management of relapsed/refractory multiple myeloma. *J Oncol Pharm Pract* 2021;27:1477-90.
- **Hayes SM**, Wiese C, Schneidewend RJ. Tumor lysis syndrome following a single dose of nivolumab for relapsed small-cell lung cancer. *Case Rep Oncol* 2021;14:1652-9.
- Acquisto N, Beavers CJ, Bolesta S, Buckley MS, Finch CK, **Hayes SM**, et al. ACCP white paper: development and application of quality measures of clinical pharmacist services provided in inpatient/acute care settings. *J Am Coll Clin Pharm* 2021;4:1601-17.
- **Moore DC**. Bruton tyrosine kinase inhibitors for Waldenström macroglobulinemia: a review. *J Oncol Pharm Pract* 2021;27:1993-9.
- **Moore DC**, Elmes JB, Gebu T, et al. Implementation, utilization, and evaluation of a pharmacist-driven romiplostim dosing service for patients with immune thrombocytopenia at a multisite cancer centre. *J Oncol Pharm Pract* 2022. [In press]
- **Moore DC**, Soni AC, Hu B, et al. Rituximab, lenalidomide, and ibrutinib in relapsed/refractory primary cutaneous diffuse large B-cell lymphoma, leg type. *Br J Haematol* 2022;196:e30-e33.
- Arnall JR, Maples KT, Harvey RD, **Moore DC**. Daratumumab for the treatment of multiple myeloma: a review of clinical applicability and operational considerations. *Ann Pharmacother* 2021 Dec 28. [Epub ahead of print]
- Ciolek AM, Arnall J, **Moore DC**, et al. Eptacog beta for bleeding treatment and prevention of congenital hemophilia A and B with inhibitors: a review of clinical data and implications for clinical practice. *Ann Pharmacother* 2021 Oct 1. [Epub ahead of print]
- Crawford J, **Moore DC**, Morrison VA, et al. Use of prophylactic pegfilgrastim for chemotherapy-induced neutropenia in the US: a review of adherence to present guidelines for usage. *Cancer Treat Res Commun* 2021;29:100466.

- Apostolidou E, Lachowicz C, Juneja H, Qiao W, **Ononogbu O**, et al. Clinical outcomes of patients with newly diagnosed acute lymphoblastic leukemia in a county hospital system. *Clin Lymphoma Myeloma Leuk* 2021;21:e895-e902.
- **Raheem F**, Ofori H, Simpson L, Shah V. Abemaciclib: the first FDA approved CDK4/6 inhibitor for the adjuvant treatment of HR+ HER2- early breast cancer. *Ann Pharmacother* 2022 Feb 8. [Epub ahead of print]

## Presentations

- **Sarah Hayes**: Rodgers JE, **Hayes SM**, Skersick P. Practical considerations in cardio-oncology drug interactions: a case-based series. Presented at: International Cardio-Oncology Society International Weekly Webinar Series.
- **Donald Moore**:  
Updates on immunotherapy and best pharmacy practice for multiple myeloma. Presented at: American College of Clinical Pharmacy/American Society of Health-System Pharmacists BCOP Clinical Session; December 15, 2021; virtual.  
Drug interactions relevant in hematology/oncology patients. Presented at: Area Health Education Center (AHEC) 29th Annual Wilson Medical Center Pharmacy Continuing Education Symposium; November 11, 2021; virtual.  
Updates in the management of acquired thrombotic thrombocytopenic purpura. Presented at: Atrium Health Clinical Pharmacy Symposium; November 9, 2021; Charlotte, NC.  
New drug updates: investigational therapeutics in the pipeline. Presented at: JADPRO Live; October 16, 2021; virtual.  
Management of immune thrombocytopenia: examining new therapies and advancements in treatments – featuring a patient perspective. Presented at: Pharmacy Times Continuing Education. Live Virtual Symposium; September 30, 2021; Cranbury, NJ.  
A review of the Bruton tyrosine kinase inhibitors in B-cell malignancies. JADPRO Podcast; August 2021; virtual.
- **Georgeann Vandyke**: ISMP targeted medication safety practices for hospitals. ASHP Podcast.

## Other Notable Achievements

- **Kirollos Hanna**: Elected to serve on the NCCN Advanced or Metastatic Bladder Cancer Quality Initiative Request for Proposals Development Team, NCCN Oncology Research Program.

## HIV PRN

### Promotions

- **Christine Malati**: Senior Clinical Pharmacist, United States Agency for International Development.
- **Alex R. Mills**: Co-Director, University of Mississippi Medical Center's Center for Gender and Sexual Minority Health.
- **Diana Nowicki**: Adjunct Professor, UNC Eshelman College of Pharmacy.
- **Ashley Otto**: Assistant Professor of Pharmacy, Mayo Clinic College of Medicine and Science.
- **Andrew Rubio**: Infectious Diseases Clinical Pharmacist, TriStar Summit Medical Center.

### Publications

- Agovi AM, Anikpo I, Cvitanovich MJ, **Fasanmi EO**, et al. Brief report: HIV pre-exposure prophylaxis prescribing in an urban safety-net health system. *J Acquir Immune Defic Syndr* 2021;88:e17-e21.
- Yvonne B, **Humberto J**. Sexually transmitted infections. In: DiPiro JT, Yee GC, Haines ST, et al., eds. *DiPiro's Pharmacotherapy: A Pathophysiologic Approach*, 12th ed. McGraw-Hill, 2021.
- Hanna J, Sufian J, Suh JS, **Jimenez HR**. Hepatitis C virus micro-elimination within a clinic for people with HIV: challenges in the home stretch. *HIV Med* 2022 Feb 12. [Epub ahead of print]
- Panos ZE, **Malati CY**, Kreft W, et al. ARV supply and demand – 10 years of successes and challenges at the Antiretroviral Procurement Working Group. *Int J Pharm* October 2021.
- Samuel JM, Gardner A, Rakhmanina NY, **Malati CY**. Transitioning and sequencing paediatric antiretroviral treatment regimens in the dolutegravir era: emerging questions and considerations. *J AIDS Clin Res* 2021;12:872.
- **Mills AR**, Nichols MA, Davenport E. Chronic pain and medical cannabis: narrative review and practice considerations in persons living with HIV. *J Am Coll Clin Pharm* 2021 Dec 18. [Epub ahead of print]
- Darshit DA, Ainembabazie P, Nakiddu N, Sodawasser E, Harper K, Ssenkusu J, Kitaka S, **Nicol M**, et al. Nutritional status and its associated factors among HIV positive adolescents on atazanavir-based regimen attending an urban clinic in Uganda. *J HIV AIDS Soc Serv* 2022;21:63-75.
- Lofgren SM, Okafor EC, Colette AA, Pastick KA, Skipper CP, Pullen MF, **Nicol MR**, et al. Feasibility of SARS-CoV-2 antibody testing in remote outpatient trials. *Open Forum Infect Dis* 2021;8:ofab506.
- Rivera CG, **Otto AO**, Zeuli JD, et al. Hepatotoxicity of contemporary antiretroviral drugs. *Curr Opin HIV AIDS* 2021;16:279-85.



## Other Notable Achievements

- **Andrew Rubio:** BCIDP

## Immunology/Transplantation PRN

### Promotions

- **Maya Campara:** Coordinator of Transplant Clinical Pharmacy Services, University of Illinois Health.
- **Jennifer Trofe-Clark:**  
Adjunct Professor of Surgery, Division of Transplantation, Associated Faculty of the Perelman School of Medicine, University of Pennsylvania.  
Adjunct Professor of Medicine, Renal-Electrolyte and Hypertension Division, Associated Faculty of the Perelman School of Medicine, University of Pennsylvania.

### Awards

- **Eve Carciofi:** American College of Clinical Pharmacy Immunology/Transplantation Practice and Research Network (IMTR PRN) Annual Meeting Abstract Award.
- **Estefany Yanqui:** American Society of Transplantation/American Society of Transplant Surgeons Young Investigator Award.

### Publications

- **Carciofi EE**, Kinney S, Whitman A. Student and faculty perception of an integrated therapeutics course in a doctor of pharmacy program. *Curr Pharm Teach Learn* 2021;13:905-13.
- Al Saadi T, **Lawrecki T**, Narang N, et al. Outcomes of pre-heart transplantation desensitization in a series of highly sensitized patients bridged with left ventricular assist devices. *J Heart Lung Transplant* 2021;40:1107-11.
- Cohen EA, DeVietro LM, Richardson BA, Odinet JS, Toledo AH, Marin EP, **Szempruch KR**. Evaluating potentially inappropriate medications in older kidney transplant recipients. *J Patient Safety* 2021 Dec 16. [Epub ahead of print]
- Harris T, **Szempruch KR**, Dupuis RE, et al. Alemtuzumab in renal retransplantation – transplant outcomes and associated infections. *Transplant Proc* 2021;53:2888-94.
- Rodriguez PS, **Szempruch KR**, Strassle PD, et al. Potential to mitigate disparities in access to kidney transplant in the Hispanic/Latino population with a specialized clinic: single center study representing single state data. *Transplant Proc* 2021;53:1798-802.

- Agarwal D, Luning Prak ET, Bharani T, Everly M, Migone TS, Cancro M, Allman D, Choe I, Kearns JD, **Trofe-Clark J**, et al. BLYS neutralization results in selective anti-HLA alloantibody depletion without successful desensitization. *Transpl Immunol* 2021;69:101465.
- Molnar MZ, Potluri VS, Schaubel DE, Sise ME, Concepcion BP, Forbes RC, Blumberg E, Bloom RD, Shaffer D, Chung RT, Strohbehn IA, Elias N, Azhar A, Shah M, Sawinski D, Binari LA, Talwar M, Balaraman V, Bhalla A, Eason JD, Besharatian B, **Trofe-Clark J**, et al. Association of donor hepatitis C virus infection status and risk of BK polyoma-virus viremia after kidney transplantation. *Am J Transplant* 2022;22:599-609.

### Presentations

- **Carciofi E**, Belfield KD:  
When to remove: duration from kidney transplantation to ureteral stent removal and incidence of urinary tract infections poster. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 8, 2021; virtual.  
Antibiotic prophylaxis for urinary tract infections in ureteral stent removal post kidney transplantation poster. Poster presented at: American College of Clinical Pharmacy Annual Meeting Scientific Poster Session; October 19, 2021; virtual.
- Suero J, Giang J, Mincemoyer L, **Szempruch KR**, et al. Time to direct acting antiviral therapy initiation in hepatitis C viremic donor to hepatitis C negative abdominal transplant recipients. Poster presented at: American Association for the Study of Liver Diseases Liver Meeting; November 2021; virtual.
- **Jennifer Trofe-Clark:** Pharmacological management of the transgender transplant recipient. Invited presentation at: American College of Clinical Pharmacy 2021 Annual Meeting, Immunology Transplantation Practice and Research Network Session; October 25, 2021; virtual.
- **Yanqui E:**  
Renal function at five years from a randomized multicenter trial of belatacept-based CNI free and early steroid withdrawal immunosuppression. Poster to be presented at: ATC 2022; scheduled for June 2022; Boston, MA.  
Use of new 2021 CKD-EPI as an endpoint in transplant trials may significantly influence observations. Poster to be presented at: ATC 2022; scheduled for June 2022; Boston, MA.

## Infectious Diseases PRN

### Promotions

- **Christo Cimino:** PGY2 ID Residency Program Director, Vanderbilt University Medical Center.
- **Andrew Rubio:** Infectious Diseases Clinical Pharmacist, TriStar Summit Medical Center.
- **Trinh Vu:** Clinical Pharmacy Specialist, Infectious Diseases at Emory University Hospital.

### Awards

- **Thamer Almangour:** First and Second Best Clinical Research Posters, Annual Saudi International Pharmaceutical Sciences Meeting.
- **Sara Alosaimy:**  
First-place winner, Annual Eugene Applebaum College of Pharmacy and Health Sciences Research Day Outstanding Research Award.  
Society of Infectious Diseases Pharmacists Pharmacotherapy Paper Award.  
American College of Clinical Pharmacy Resident/Fellow Award.  
American College of Clinical Pharmacy – Health Outcomes Practice and Research Network Student/Trainee Award.
- **Lee Amaya:**  
Miami Cancer Institute Award of Recognition for Leadership and Educational Support During the COVID-19 Pandemic.  
Miami Cancer Institute Employee of the Quarter, Q1 FY2022.
- **Curtis Collins:**  
Outstanding Clinical Practice in Infectious Diseases Pharmacotherapy Award 2021, Society of Infectious Diseases Pharmacists.  
Best Practice Award, American Society of Health-System Pharmacists.
- **Elizabeth Covington:** Alabama Society of Health-System Pharmacists, *InPharmative Quarterly* Newsletter Article of the Year Award.
- **Khalid Eljaaly:**  
Second-ranked Trainees' Performance Improvement Project Award 2021, Saudi Commission for Health Specialties.  
Third-ranked National Day 91 Award in Medication Research from the Tamer Chair.
- **Christina Koutsari:** Quality Award, Children's Minnesota.
- **Cynthia Nguyen:**  
*Journal of the American College of Clinical Pharmacy (JACCP)* Outstanding Reviewer.  
Poster of Distinction, 2021 UChicago Medicine Quality and Safety Symposium.

### Roxane Rohani:

2021 American College of Clinical Pharmacy Research Fellowship Best Poster.  
American College of Clinical Pharmacy Annual Meeting Resident/Fellow Award.

### Grants

- **Roxane Rohani:** CCP Research Pilot Grant, Midwestern University.

### Publications

- **Almangour TA**, Aljabri A, Almusawa M, et al. Ceftolozane-tazobactam versus colistin for the treatment of infections due to drug-resistant *Pseudomonas aeruginosa*. A multicenter cohort study. *J Glob Antimicrob Resist* 2022 Feb 1. [Epub ahead of print]
- **Almangour TA**, Alsubaie S, Ghonem L, et al. Ceftazidime-avibactam for the treatment of multidrug-resistant *Pseudomonas aeruginosa* central nervous system infection in pediatric patient: a case report. *Pediatr Infect Dis J* 2021 Dec 21. [Epub ahead of print]
- **Almangour TA**, Ghonem L, Aljabri A, et al. Ceftazidime-avibactam versus colistin for the treatment of infections due to carbapenem-resistant Enterobacterales: a multicenter cohort study. *Infect Drug Resist* 2022;15:211-21.
- Alhifany A, Bifari Y, Alatawi Y, Malik S, **Almangour TA**, et al. Efficacy and safety of delafloxacin, cef-taroline, ceftobiprole, and tigecycline for the empiric treatment of acute bacterial skin and skin structure infections: a network meta-analysis of randomized controlled trials. *Saudi Pharm J* 2022 Jan 1. [Epub ahead of print]
- Alqahtani F, Alattas S, **Almangour TA**, et al. Status of infectious disease content in the professional pharmacy curriculum in Saudi Arabia: results of a national survey. *Saudi Pharm J* 2021;29:1492-7.
- Alshehri A, Alhifany A, **Almangour TA**, et al. Assessment of caspofungin use at a tertiary teaching hospital and compliance with IDSA guidelines and FDA labeling. *Saudi Pharm J* 2022 Jan 5. [Epub ahead of print]
- Reshi A, Rustam F, Aljedaani W, Shafi S, Alhossan A, Alrabiah Z, Ahmad A, Alsuwailem H, **Almangour TA**, et al. COVID-19 vaccination related sentiments analysis: a case study using worldwide Twitter dataset. *Healthcare* 2022;10:411.
- **Alosaimy S**, Langf AM, **Morrisette T**, Scipione MR, Zaho JJ, **Jorgensen SC**, Mynatt R, Carlson TJ, Jo J, Garey KW, Allen D, DeRonde K, Vega AD, Abbo LM, Venugopalan V, Athans V, Saw S, Claeys KC, Miller M, Molina KC, Veve M, **Kufel WD**, Amaya

- L, Yost C, Ortwine J, Davis SL, **Rybak MJ**. Real-world, multicenter experience with meropenem-vaborbactam for gram-negative bacterial infections including carbapenem-resistant Enterobacterales and *Pseudomonas aeruginosa*. *Open Forum Infect Dis* 2021;8:ofab371.
- **Bobbitt LJ**, Satyanarayana G, Van Metre Baum L, et al. Evaluation of healthcare-associated infection rates in patients with hematologic malignancies and stem cell transplantation during the coronavirus disease 2019 (COVID-19) pandemic. *Antimicrob Stewardship Healthc Epidemiol* 2022;2:e11.
  - **Burgoon R**, Weeda E, **Mediwala KN**, et al. Clinical utility of negative methicillin-resistant *Staphylococcus aureus* (MRSA) nasal surveillance swabs in skin and skin structure infections. *Am J Infect Control* 2021 Dec 25. [Epub ahead of print]
  - **Chastain DB**, Henao-Martínez AF, Dykes AC, et al. Missed opportunities to identify cryptococcosis in COVID-19 patients: a case report and literature review. *Ther Adv Infect Dis* 2022 Jan 15. [Epub ahead of print]
  - Osae SP, **Chastain DB**, Young HN. Pharmacists role in addressing health disparities. Part 1: Social determinants of health and their intersectionality with medication use, health care utilization, and health outcomes. *J Am Coll Clin Pharm* 2021 Nov 10. [Epub ahead of print]
  - Osae SP, **Chastain DB**, Young HN. Pharmacists role in addressing health disparities. Part 2: Strategies to move toward health equity. *J Am Coll Clin Pharm* 2022 Jan 8. [Epub ahead of print]
  - **Collins CD**, Bookal R, Malani AN, et al. Impact of an antibiotic side-chain-based cross-reactivity chart combined with enhanced allergy assessment processes on antibiotic use in patients with  $\beta$ -lactam allergies and pneumonia. *Open Forum Infect Dis* 2022;9:ofab544.
  - Leja N, **Collins CD**, Kulik J. Antimicrobial stewardship by transitions of care pharmacists at hospital discharge. *Hosp Pharm* 2021;56:714-7.
  - Malani AN, LaVasseur B, Fair J, Domeier R, Vershum R, Fowler R, **Collins CD**. Administration of monoclonal antibody for COVID-19 in patient homes. *JAMA Netw Open* 2021;4:E2129388.
  - **Covington EW**, Kyle JA, Prince VT, Roberts MZ, **Worthington MA**. Impact of a novel preceptor collaborative advanced pharmacy practice experience on student-perceived ability and confidence. *Curr Pharm Teach Learn* 2021;13:1053-60.
  - **Covington EW**, Rufe A. Identification of risk factors for multidrug-resistant organisms in community-acquired bacterial pneumonia at a community hospital. *J Pharm Pract* 2021 Aug 18. [Epub ahead of print]
  - **Covington EW**, Slaten K, Harnden A. Analysis of SGLT2 inhibitor therapy and other potential risk factors for the development of bacteremia in patients with urosepsis. *J Pharm Technol* 2022 Jan 28. [Epub ahead of print]
  - Eiland LS, Shields KM, Smith SE, **Covington EW**, et al. Development and assessment of a nationwide, cross-discipline women faculty mentoring program. *Curr Pharm Teach Learn* 2021;13:1555-63.
  - **Eljaaly K**, Aljabri A, Rabaan AA, Aljuhani O, Thabit AK, Alshibani M, **Almangour TA**. Efficacy of empiric antibiotic coverage in community-acquired pneumonia associated with each atypical bacteria: a meta-analysis. *J Clin Med* 2021;10:4321.
  - **Eljaaly K**, Helal A, Almandeel T, et al. Multivalent cations interactions with fluoroquinolones or tetracyclines: a cross-sectional study. *Saudi J Biol Sci* 2021;28:6929-32.
  - Alhazzani W, Alshahrani M, Alshamsi F, Aljuhani O, **Eljaaly K**, et al. The Saudi Critical Care Society practice guidelines on the management of COVID-19 in the ICU: therapy section. *J Infect Public Health* 2021;15:142-51.
  - Aljuhani O, Al Sulaiman K, Alshabasy A, **Eljaaly K**, Al Shaya AI, Noureideen H, Aboudeif M, Al Dosari B, Alkhalaf A, Korayem GB, Aleissa MM, Badreldin HA, Al Harbi S, **Alhammad A**, et al. Association between tocilizumab and emerging multidrug-resistant organisms in critically ill patients with COVID-19: a multicenter, retrospective cohort study. *BMC Infect Dis* 2021;21:1127.
  - Al-Mouqdad M, **Eljaaly K**, Abdalgader A, et al. Safety and efficacy of colistin and fluoroquinolone in neonatal persistent late-onset sepsis. *Saudi Pharm J* 2021;29:1013-20.
  - Al Sulaiman K, Aljuhani O, Bin Salah K, Korayem GB, **Eljaaly K**, et al. Single versus multiple doses of tocilizumab in critically ill patients with coronavirus disease 2019 (COVID-19): a two-center, retrospective cohort Study. *J Crit Care* 2021;66:44-51.
  - Asfour HZ, Alhakamy NA, **Eljaaly K**, et al. Molecular docking studies of HIV TAT and sitagliptin nano-formula as potential therapeutic targeting SARS-CoV2 protease. *J Indian Chem Soc* 2021;98:100119.
  - Korayem GB, Badreldin HA, **Eljaaly K**, et al. Clinical pharmacy definition, required education, training and practice in Saudi Arabia: a position statement by the Saudi society of clinical pharmacy. *Saudi Pharm J* 2021;29:1343-7.
  - **El Nekidy WS**, Abdelsalam MM, Nusair AR, **El Lababidi R**, et al. Is cefoxitin a carbapenem sparing agent in the management of urinary tract infections caused by ESBL producing Enterobacterales? *Hosp Pharm* 2021 Dec 30. [Epub ahead of print]

- **El Nekidy WS**, Almuti K, ElRefaei H, et al. QT prolongation in critically ill patients with SARS-CoV-2 infection. *J Cardiovasc Pharmacol Ther* 2022;27:10742484211069479.
- **El Nekidy WS**, Cha R, Ghazi IM. Practical considerations for vancomycin dosing in hemodialysis patients: perspectives from the nephrology stewardship pharmacist. *Clin Nephrol* 2022;97:111-20.
- **El Nekidy WS**, Shatnawei A, Abdelsalam MM, et al. Hypertriglyceridemia in critically ill patients with SARS-CoV-2 infection. *Ann Pharmacother* 2021 Sep 1. [Epub ahead of print]
- Piechowski-Jozwiak B, Abidi E, **El Nekidy WS**, et al. Clinical pharmacokinetics and pharmacodynamics of desmoteplase. *Eur J Drug Metab Pharmacokinet* 2021 Dec 11. [Epub ahead of print]
- Alrahmany D, **Ereshesky BJ**, **El Nekidy WS**, et al. Risk factors for recurrence of *Clostridioides difficile* in hospitalized patients. *J Infect Public Health* 2021;14:1642-9.
- **Griffith NC**, **Hill BK**, Goldman MD, et al. Evaluation of treatment practices for urinalyses and urine cultures at an outpatient multiple sclerosis clinic. *Int J MS Care* 2021;23:234-8.
- **Kufel WD**, Mastro KA, Steele JM, et al. Impact of a pharmacist-facilitated, evidence-based bundle initiative on *Staphylococcus aureus* bacteremia management. *Diagn Microbiol Infect Dis* 2021;101:115535.
- Parsels KA, **Kufel WD**, Burgess J, et al. Hospital discharge: an opportune time for antimicrobial stewardship. *Ann Pharmacother* 2021 Nov 5. [Epub ahead of print]
- **Mahoney MV**, **Childs-Kean LM**, Khan P, **Rivera CG**, **Stevens RW**, **Ryan KL**. Recent updates in antimicrobial stewardship in outpatient parenteral antimicrobial therapy. *Curr Infect Dis Rep* 2021;23:24.
- **Nguyen CT**, Knoebel RW, Pisano J, Pursell K, **Pettit NN**. Impact of a structured interview on beta-lactam reaction documentation quality. *Antimicrob Stewardship Healthc Epidemiol* 2021;1:e10.
- Mohammad RA, **Nguyen CT**, Costello PG, et al. Medication changes and diagnosis of new chronic illnesses in COVID-19 intensive care unit survivors. *Ann Pharmacother* 2022 Jan 13. [Epub ahead of print]
- Konold VJL, Bhagat PH, Pisano J, **Pettit NN**, Choksi AR, **Nguyen CT**, et al. Implementation of a multidisciplinary 48-hour antibiotic timeout in a pediatric population. *Infect Control Hosp Epidemiol* 2021;16:1-2.
- **Rebold N**, **Morisette T**, Lagnf AM, **Alosaimy S**, Holger D, Barber K, **Justo JA**, Antosz K, Carlson TJ, Frens JJ, Biagi M, **Kufel WD**, Moore WJ, Mercurio N, Raux BR, **Rybak MJ**. Early multicenter

experience with imipenem-cilastatin-relebactam for multidrug-resistant gram-negative infections. *Open Forum Infect Dis* 2021;8:ofab554.

- **Rivera CG**, Mehta M, **Ryan KL**, **Stevens RW**, Tucker KJ, **Mahoney MV**. Role of infectious diseases pharmacists in outpatient intravenous and complex oral antimicrobial therapy: Society of Infectious Diseases Pharmacists insights. *J Am Coll Clin Pharm* 2021;4:1161-9.
- **Rohani R**, Hoff B, Jain M, Philbrick A, Salama S, Cullina JF, **Rhodes NJ**. Defining the importance of age-related changes in drug clearance to optimizing aminoglycoside dosing regimens for adult patients with cystic fibrosis. *Eur J Drug Metab Pharmacokinet* 2021 Dec 9. [Epub ahead of print]
- **Zembles T**, Mitchell M, Alqurashi W, et al. Skin testing for penicillin allergy: a review of the literature. *Curr Allergy Asthma Rep* 2021;21:21.
- **Zembles T**, Nakra N, Parker S. Extending the reach of antimicrobial stewardship to pediatric patients. *Infect Dis Ther* 2022;11:101-10.
- **Zembles T**, Oliver M. Expanded treatment options for multi-drug resistant infections in children. *Contagion Live* 2021.

## Presentations

- **Covington EW**, **Dionne B**, **Pogue J**, Ha D. A lung time coming: controversies in community-acquired pneumonia. Presented at: Society of Infectious Diseases Pharmacists Breakpoints Podcast; January 2021.
- **Kufel WD**. Bad bugs, “new” drugs: updates on antibiotic treatment options for multidrug resistant gram-negative bacterial infections. Presented at: AchieveCE; August 2021; virtual.
- **Mahoney MV**:  
ASHP COVID Oral Antiviral Webinar: nirmatrelvir + ritonavir. Presented at: ASHP Webinar; January 2022; virtual.  
A daily infusion of OPAT education. Presented at: Texas Antimicrobial Resistance & Stewardship Conference; January 2022; virtual.  
Leveraging OPAT as a stewardship tool. Presented at: IDWeek (Meet the Professors); October 2021; virtual.
- **Mahoney MV**, **Pogue JM**: Outpatient COVID-19 oral treatments & other therapeutics (podcast). Presented at: SHEA Podcasts; December 2021; virtual.

## New ACCP Fellow

- **Shellee Grim**



## Other Notable Achievements

- **Lee Amaya:** HIV Pharmacist from the American Academy of HIV Medicine (AAHIVP).

## Board Certified Infectious Diseases Pharmacists

- **Maxx Enzmann**
- **Angela Kaucher**
- **Andrew Rubio**
- **Trinh Vu**

## Nephrology PRN

### Promotions

- **Mariann D. Churchwell:** Promoted to Professor, Department of Pharmacy Practice, University of Toledo College of Pharmacy and Pharmaceutical Sciences.
- **Susan J. Lewis:** Tenured and Promoted to Associate Professor, College of Pharmacy, University of Findlay, Findlay, OH.
- **Rebecca Maxson:** Promoted to Associate Clinical Professor, Auburn University Harrison College of Pharmacy.
- **Melanie Weltman:** Hired as a Clinical Pharmacist, University of Pittsburgh Medical Center (UPMC) Renal-CKD Programs.

### Awards

- **Emily Ashjian:** Faculty Preceptor of the Year, Department of Clinical Pharmacy, University of Michigan College of Pharmacy.

### Grants

- **Linda Awdishu:** Development of Artificial Intelligence Model to Evaluate Human Communication in Simulation Activities. Sony Electronics. Principal Investigator (\$102,165).
- **Ronald Castelino:**  
Pharmacy-Based Screening and Quality Use of Medicines in Kidney Disease. Australian Government Department of Health, Medical Research Future Funding. Lead Investigator (\$1,894,075).  
Pharmacokinetics of Antimicrobials for the Treatment of Peritoneal Dialysis–Associated Peritonitis. Western Sydney Local Health District, Research Education Network. Lead Investigator (\$21,000).

### Publications

- **Ashjian EJ, Erickson SR, Walker PC.** The impact of an early clinical experience on pharmacy student learning about ambulatory care practice. *Am J Pharm Educ* 2021;85:858118.

- Luli AJ, **Awdishu L**, Hirsch JD, et al. Transferring key success factors from ambulatory care into the community pharmacy in the United States. *Pharmacy (Basel)* 2021;9:116.
- **Barton A**, Borchard G, Wacker MG, et al. Need for expansion of pharmacy education globally for the growing field of nanomedicine. *Pharmacy* 2022;10:17.
- Funk F, Flühmann B, **Barton A**. Criticality of surface characteristics of intravenous iron-carbohydrate nanoparticle complexes: implications for pharmacokinetics and pharmacodynamics. *Int J Mol Sci* 2022;23:2140.
- Weissig V, Elbayoumi T, Flühmann B, **Barton A**. The growing field of nanomedicine and its relevance to pharmacy curricula. *Am J Pharm Educ* 2021;85:8331.
- Hansen MS, Tesfaye W, Sewlal B, Mehta B, Sud K, Kairaitis L, Tarafdar S, Chau K, Zaidi ST, **Castelino RL**. Psychosocial factors affecting patients with end-stage kidney disease and the impact of the social worker. *J Nephrol* 2022;35:43-58.
- Ling CW, Sud K, Van C, Peterson GM, Patel RP, Zaidi STR, **Castelino RL**. Practice variations in antibiotic administration for the management of peritonitis in patients on automated peritoneal dialysis in Australia and New Zealand. *Perit Dial Int* 2022 Jan 12. [Epub ahead of print]
- Ling CW, Sud K, Van C, Zaidi STR, Patel RP, Peterson GM, **Castelino RL**. Pharmacokinetics of culture-directed antibiotics for the treatment of peritonitis in automated peritoneal dialysis: a systematic narrative review. *Perit Dial Int* 2021;41:261-72.
- Shaikh F, Wynne R, **Castelino RL**, et al. Effectiveness of direct oral anticoagulants in obese adults with atrial fibrillation: a systematic review of systematic reviews and meta-analysis. *Front Cardiovasc Med* 2021;8:732828.
- **Jang SM, Awdishu L**. Drug dosing considerations in continuous renal replacement therapy. *Semin Dial* 2021;34:480-8.
- **Jang SM, Mueller BA**. Drug dosing in acute kidney injury. In: Koyner JL, Topf J, Lerma E, eds. *Handbook of Critical Care Nephrology*. Wolters Kluwer, 2021.
- **Jang SM**, Yessayan L, Dean M, Costello G, Katwaru R, **Mueller BA**. Imipenem/relebactam ex vivo clearance during continuous renal replacement therapy. *Antibiotics (Basel)* 2021;10:1184.
- Davis JM, **Jang SM**. Acute kidney injury/continuous renal replacement therapy. In: Boucher BA, Haas CE, eds. *Critical Care Self-Assessment Program, 2021 Book 2. Acute Organ Dysfunction and Special Populations*. American College of Clinical Pharmacy, 2021:7-28.

- **Lewis SJ**, Bodenhorn D, Na EY, **Jang SM**. Comparison of antimicrobial dosing recommendations in patients receiving intermittent hemodialysis among drug information resources. *J Clin Pharm Ther* 2021 Dec 5. [Epub ahead of print]
- Gharibian KN, **Lewis SJ**, Heung M, Segal JH, Salama NN, **Mueller BA**. Telavancin pharmacokinetics in patients with chronic kidney disease receiving hemodialysis. *J Antimicrob Chemother* 2021;77:174-80.
- Montepara CA, Oberst CE, Fyock JO, Martin HM, Noll MD, **Nemecek BD**, et al. Impact of a cardiology pharmacist-led intervention on high-intensity statin prescribing upon discharge following acute myocardial infarction. *J Am Coll Clin Pharm* 2022 Mar 1. [Epub ahead of print]
- Waterloo M, Rozic M, Knauss G, Jackson S, Karuga D, Zimmerman D, Montepara CA, Convey JR, **Nemecek BD**. Gabapentin initiation in the inpatient setting: a characterization of prescribing. *Am J Health Syst Pharm*. [In press]
- **Nguyen T**. The role of docusate for constipation in older adults. *Sr Care Pharm* 2021;36:501-7.
- **Nguyen T**. Estimation of glomerular filtration rate and drug dosing. *J Nurse Pract* 2021 Dec 31. [Epub ahead of print]
- **Nguyen T**, George M. Antimuscarinic medications for chronic obstructive pulmonary disease. *J Nurse Pract* 2021;17:894-5.
- **Nguyen T**, Wang A. Beta-blocker use in cocaine users: is the contraindication real? *N Jersey J Pharm* 2021;XCV(2):4-7.
- Ozdener-Poyraz AE, Kalabalik-Hoganson J, Slugocki M, **Nguyen T**, et al. Impact of COVID-19 on student pharmacist academics, employment, and mental health. *Int J Res Anal* 2021;8:662-73.

## Pain and Palliative Care PRN

### Promotions

- **Julie Cunningham**: Associate Chief Pharmacy Officer – Clinical Practice & Research, Mayo Clinic; Associate Professor, Mayo Clinic College of Medicine and Science.

### Awards

- **Mary Lynn McPherson**: Inaugural Distinguished Hospice Interdisciplinary Team Member Award, American Academy of Hospice and Palliative Medicine. Fellow, American Academy of Hospice of Palliative Medicine.

## Publications

- **Abel S, Winans ARM, Jubran N, Nesbit S**. Call to action: clinical pharmacy and addressing the opioid crisis. *J Am Coll Clin Pharm* 2022;5:114-7.
- **Cleary JC, Engle AL, Winans ARM**. Pharmacists' role in buprenorphine management for opioid use disorder: a narrative review. *J Am Coll Clin Pharm* 2022;5:1-11.
- Bettinger J, Batista Quevedo H, **Cleary J**. Emerging pharmacologic mechanisms of buprenorphine to explain experience of analgesia versus adverse effects. *J Opioid Manag* 2021;17:21-31.
- Engstrom K, Brown CS, Ubl D, Hanson K, Bates R, **Cunningham J**. Characteristics of opioid prescribing in non-surgical medicine patients with acute pain at hospital discharge. *J Gen Intern Med* 2022;37:565-72.
- **DiScala S**, Faley B, Lewis V, et al. Spiritual healing in a hospice veteran led to a successful opioid taper: a case report. *J Pain Palliat Care Pharmacother* 2021;35:117-22.
- Krichbaum MM, Vartan CM, Brooks AT, **DiScala SL**. Outcomes associated with pharmacist-led consult service for opioid tapering and pharmacotherapy. *Fed Pract* 2021;38:e39-e43.
- Shirley L, **DiScala S**, Brooks A, et al. Pilot of a pharmacist-integrated interprofessional team to optimize prescribing in a telemedicine palliative care clinic. *J Am Coll Clin Pharm* 2021;4:1093-9.
- Vartan CM, Moya Romero N, **DiScala SL**, et al. Retrospective review of perioperative multimodal analgesia for orthopedic patients in a Veterans Affairs setting. *Sr Care Pharm* 2021;36:397-408.
- Voll P, Brooks A, Vartan C, **DiScala S**. Pharmacist interventions in an outpatient pain clinic at a Veterans Affairs Medical Center. *J Am Coll Clin Pharm* 2022;5:149-56.
- **Engle AL, Winans ARM, Demma L, Cleary J**. The divided dose approach to perioperative buprenorphine management in patients with opioid use disorder. *J Opioid Manag* 2021;17:101-7.
- **Juba KM**, Triller D, Myrka A, **Cleary J, Winans A**, et al. Pain management-related assessment and communication across the care continuum: consensus of the opioid task force of the island peer review organization pain management coalition. *J Am Coll Clin Pharm* 2022;5:251-61.
- Cagle JG, **McPherson ML**, Frey JJ, et al. A national survey of challenges faced by hospices during the opioid crisis: estimates of pain medication shortages, missing medications and opioids left in the home post-death. *J Pain Symptom Manage* 2021;62:738-46.

- Cook H, Kaiser KS, Walker KA, **McPherson ML**. Interprofessional healthcare students' attitudes, skills and knowledge after comprehensive pain assessment training in verbal and nonverbal patients. *J Hosp Palliat Nurs* 2021;23:386-95.
- Costantino C, Barlow A, Gressler LE, Zarzabal LA, Tao D, **McPherson ML**. Variability among online opioid conversion calculators performing common palliative care conversions *J Palliat Med* 2021 Oct 20. [Epub ahead of print]
- Curtis M, **McPherson ML**, Swagger SM, et al. Monitoring equianalgesic opioid dosing. *Am J Nurs* 2021;121:68-71.
- Lantz TL, Noble BN, **McPherson ML**, et al. Frequency and characteristics of patients prescribed antibiotics on admission to hospice care. *J Palliat Med* 2021 Nov 24. [Epub ahead of print]
- Noble BN, Izumi S, Tjia J, Ku IY, Kadoyama K, **McPherson ML**, et al. Patient and family participation in medication decisions on discharge to hospice care. *J Am Geriatr Soc*. [In press]
- Tjia J, Clayton MF, Fromme EK, **McPherson ML**, et al. Shared Medication Planning In (SIMPLify) home hospice: an educational program to enable goal-concordant prescribing in home hospice. *J Pain Symptom Manage* 2021;62:1092-9.
- Ware OD, Cagle JG, **McPherson ML**, et al. Confirmed medication diversion in hospice care: qualitative findings from a national sample of agencies. *J Pain Symptom Manage* 2021;61:789-95.
- Ware O, **McPherson ML**, Barclay JS, et al. Recommendations for preventing medication diversion and misuse in hospice care: a modified Delphi study. *J Pain Symptom Manage* 2021;62:1175-87.

## Presentations

- **Cleary J, Engle A, Winans A:**  
The divided dose approach to perioperative buprenorphine management in patients with opioid use disorder. Presented at: BUPE2021; December 2021; virtual.  
Pharmacists' role in buprenorphine management in opioid use disorder: a review. Presented at: BUPE2021; December 2021; virtual.
- **Cunningham J**. Opioid pharmacology: clinical pearls. Presented at: Mayo Clinic CME Opioid Conference: Evidence, Clinical Considerations & Best Practice 2021; September 2021; Rochester, MN.
- **DiScala S**, Prommer E, **McPherson ML**, et al. Truth be told or still not sold? The case for benzodiazepines in the palliative management of delirium. Presented at: American Academy of Hospice and Palliative Medicine Annual Assembly; February 2022; virtual.

- **McPherson ML**. Calculating conversions in opioid conversions. Presented at: Food and Drug Administration (FDA) Center for Drug Evaluation and Research (CDER) Public Virtual Scientific Workshop Morphine Milligram Equivalents: Current Applications and Knowledge Gaps, Research Opportunities, and Future Directions; June 2021; virtual.
- **McPherson ML**. Improving prescriber/provider education in pain management. Presented at: FDA Virtual Conference; October 2021; virtual.
- **McPherson ML**. New drugs and drug news: the 411 and implications for palliative care. Presented at: 2022 Annual Assembly (AAHPM/HPNA); February 2022; virtual.
- Borris J, Walker K, **McPherson ML**. Delphi consensus to identify medication realignment when transitioning from palliative care to hospice. Poster presented at: 2022 Annual Assembly (AAHPM/HPNA); February 2022; virtual.
- Davis M, **McPherson ML**. Buprenorphine: clinical and public policy implications. Presented at: BUPE2021 International Conference; December 2021; virtual.
- Prommer EE, Davis AL, **McPherson ML**, et al. "Doctor, our new hospice admission is in pain! Should I continue that 32 mg of buprenorphine or not?" Presented at: 2022 Annual Assembly (AAHPM/HPNA); February 2022; virtual.
- Stevens A, Walker K, Costantino R, **McPherson ML**. Evaluation of strategies to enhance hospice patient and family's knowledge and confidence of commonly used medications. Poster presented at: Annual Assembly (AAHPM/HPNA); February 2022; virtual.
- Stevens A, Watson K, Walker K, **McPherson ML**. Retrospective analysis of CHA2DS2-VASc and HAS-BLED scores for hospitalized palliative care patients with atrial fibrillation. Poster presented at: 2022 Annual Assembly (AAHPM/HPNA); February 2022; virtual.

## Other Notable Achievements

- **Sandra DiScala:**  
Co-Chair, Opioid Stewardship Taskforce, Society of Pain and Palliative Care Pharmacists.  
Pharmacotherapy SIG Chair, American Academy of Hospice and Palliative Medicine.

## Pediatrics PRN

### Promotions

- **Titilola Afolabi:** Associate Professor of Pharmacy Practice at Midwestern University College of Pharmacy-Glendale Campus.

- **Justin Cole:** Chair and Associate Professor of Pharmacy Practice at Cedarville University was granted tenure.

## Awards

- Meyers RS, **Thackray J**, Matson KL, McPherson C, Lubsch L, Hellinga RC, **Hoff DS**. Institute for Safe Medication Practices Cheers Award – KIDs List Collaborative, Commissioned by the Pediatric Pharmacy Association.

## Grants

- **Luke Orth:** Expansion of Clinical Pharmacy Services in the Children's Hospital Colorado Special Care Clinic: Comprehensive Medication Management for Children and Youth with Special Healthcare Needs in a Predominately Medicaid-Serviced Population. Funding Agency: CU Medicine and CO Department of Health Care Policy and Finance.

## Publications

- **Afolabi TM**, Fairman K. Association of physician time expenditure with provision of asthma action plans and education for pediatric patients: regression-adjusted mediation analysis of a national sample of office visits. *J Pediatr Pharmacol Ther*. [In press]
- **Afolabi TM**, Pogge E, Early N, et al. Evaluating the impact of integrating SMART goal setting in preceptor development using the Habits of Preceptors Rubric. *Am J Hosp Pharm*. [In press]
- Arif S, **Afolabi T**, Manzor Mitrzyk B, et al. Engaging in authentic allyship as part of our professional development. *Am J Pharm Educ* 2021 Aug 12. [Epub ahead of print]
- Emmons RP, Harris IM, Abdalla M, **Afolabi TM**, et al. Impact of remote delivery of clinical pharmacy services on health disparities and access to care. *J Am Coll Clin Pharm* 2021;4:1492-501.
- **Beckman EJ**, **Hovey S**, **Bondi DS**, Pate GP, **Parrish RH**. Pediatric perioperative clinical pharmacy practice: clinical considerations and management: an opinion of the Pediatrics and Perioperative Care Practice and Research Networks of the American College of Clinical Pharmacy; primer for pediatric perioperative clinical pharmacists. *J Pediatr Pharmacol Ther* 2022. [In press]
- **Benavides S**, **Parrish RH**, Aguero D, et al. Urgent need for electronic transmission of standardized compounded nonsterile preparation (CNSP) orders to prevent medication errors: a nationwide descriptive study. *J Am Med Inform Assoc* 2022. [In press]
- **Bondi DS**, Prasannaraddi AB, Allen JM, Avery LM, Buatois E, Conner KA, Martello JL, Michienzi SM, Trujillo TC, Ybarra J, **Chung AM**. Addressing

challenges of providing remote inpatient clinical pharmacy services. *J Am Coll Clin Pharm* 2021;4:1594-600.

- **Chung AM**, Padgett E, **Eiland LS**. Evaluation of pediatric electives and core pediatric topics offered at United States schools of pharmacy and colleges of pharmacy. *J Am Coll Clin Pharm* 2021 Dec 24. [Epub ahead of print]
- **Fusco NM**, Foltz-Ramos K, Ohtake PJ. Interprofessional escape room improves knowledge and collaboration among nursing, pharmacy and physical therapy students. *Am J Pharm Educ* 2021 Dec 15. [In press]
- **Fusco NM**, Ohtake PJ. Confronting opioid use disorder through virtual interprofessional education. *J Am Coll Clin Pharm* 2021 Oct 8. [Epub ahead of print]
- Kruger JS, Doloresco F, Maerten-Rivera J, Zafron M, Borden H, **Fusco NM**. An innovation sprint to promote creative thinking and interprofessional skills among pharmacy and public health students. *Am J Pharm Educ* 2022 Jan 31. [Epub ahead of print]
- Liu H, Thurnherr E, Meaney CJ, **Fusco NM**. Incidence and risk factors for acute kidney injury in hospitalized children receiving piperacillin/tazobactam. *J Pediatr Pharmacol Ther* 2021;26:597-602.
- Maerten-Rivera J, Zhao Y, Latchford S, Barwell J, **Fusco NM**. An interprofessional activity involving pharmacy and physician assistant students aimed at reinforcing the patient care process. *Curr Pharm Teach Learn* 2021;13:1529-37.
- Singh J, Chang A, **Fusco NM**, et al. Predicting intravenous immunoglobulin resistance among children hospitalized with Kawasaki disease. *J Pediatr Pharmacol Ther*. [In press]
- Meyers RS, Hellinga RC, **Hoff DS**. The KIDs List. Medications that are potentially inappropriate in children. *Am Fam Physician* 2021;103:330.
- **Holsteen P**, Meier M, Brennan L, et al. Safety and effectiveness of a risk-stratified venous thromboembolism prophylaxis algorithm in young people with cystic fibrosis. *Thromb Res* 2021;206:36-41.
- Feinstein JA, Friedman H, **Orth LE**, Feudtner C, Kempe A, Samay S, **Blackmer AB**. Complexity of medication regimens for children with neurological impairment. *JAMA Netw Open* 2021;4:e2122818.
- **Parrish RH**. Biosimilar interchangeability and emerging therapeutic strategies for inflammatory bowel disease: a commentary. *Gastroenterol Insights* 2021;12:293-301.
- **Parrish RH**, Findley R, Elias KM, et al. Pharmacotherapeutic prophylaxis and post-operative outcomes within an Enhanced Recovery After Surgery (ERAS®) program: a randomized



retrospective cohort study. *Ann Med Surg* 2021;73:103178.

- **Parrish RH**, Kortbeek JB, eds. Perioperative care. MDPI, 2021.
- Hemmann B, Woods E, Makhoul T, Gillette C, Perry C, **Subramanian M**, et al. Impact of patient-specific aminoglycoside monitoring for treatment of pediatric cystic fibrosis pulmonary exacerbations. *J Pediatr Pharmacol Ther.* [In press]

#### Other Notable Achievements

- **Allison Chung** and **Elizabeth Farrington**: Presented a podcast on pediatric pharmacy careers. *Pediatric Pharmacists Podcast*; February 8, 2022.

### Perioperative Care PRN

#### Awards

- **Sara Jordan Hyland**: Ohio Society of Health-System Pharmacists (OSHP) Practice Research Award 2021.
- **Jenna Lovely**: Achieved the Gold Quality Fellow Status at Mayo Clinic at The Mayo Clinic Quality Academy.

#### Promotions

- **Jenna Lovely**: Senior Clinical Manager for the Surgical Areas, Saint Marys Hospital, Mayo Clinic, Rochester, MN.
- **Rachel Wolfe**: Clinical Pharmacy Supervisor, Perioperative Medicine, Barnes-Jewish, St. Louis, MO.

#### Publications

- Bleidt BA, Cogan P, **Birrer KL**, et al. Individual leadership, organizational planning, and community partnerships. In: Desai M, Trong H, Norman S, eds. *Disasters and Emergencies: A Planning and Response Guide for Pharmacy Professionals*, 1st ed. APhA, 2021:71-101.
- Jackson NA, Gat T, Davenport DL, Oyler DR, **Ebbitt LM**, et al. Preoperative opioid, sedative, and antidepressant use is associated with increase postoperative hospital costs in colorectal surgery. *Surg Endosc* 2021;35:5599-606.
- **Hyland SJ**, Brockhaus KK, **Vincent WR**, et al. Perioperative pain management and opioid stewardship: a practical guide. *Healthcare* 2021;9:333.
- **Hyland SJ**, Kavi TR, Smith NR, et al. Transient bilateral ophthalmoplegia: a case of a forgotten anesthetic medication effect. *Cureus* 2021;13:e18802.
- Calini G, Abd El Aziz MA, Abdalla S, Saeed HA, **Lovely JK**, et al. Patient colon and rectal operative outcomes when treated with immune checkpoint inhibitors. *Eur J Surg Oncol* 2021;47:2436-40.

- Calini G, Abd El Aziz MA, Solafah A, Saeed HA, **Lovely JK**, et al. Laparoscopic transversus abdominis plane block versus intrathecal analgesia in robotic colorectal surgery. *Br J Surg* 2021;108:e369-70.
- **Parrish RH**. Biosimilar interchangeability and emerging therapeutic strategies for inflammatory bowel disease: a commentary. *Gastroenterol Insights* 2021;12:293-301.
- **Parrish RH**, Cohn SL, ed. *Decision Making in Perioperative Medicine: Clinical Pearls*. McGraw-Hill, 2021. ISBN: 978-1-260-46810-6 [book review]. *Healthcare* 2021;9:687.
- **Parrish RH**, Findley R, Elias KM, **Kramer B**, **Johnson EG**, et al. Effect of pharmacotherapeutic prophylaxis on post-operative outcomes within an Enhanced Recovery After Surgery (ERAS®) program: a randomized retrospective cohort study. *Ann Med Surg (Lond)* 2021;73:103178.
- **Parrish RH**, Kortbeek JB, eds. Perioperative care. MDPI, 2021.
- **Wolfe RC**. Perioperative considerations for the emerging alpha-gal allergy. *J Perianesth Nurs* 2021;36:435-7.
- **Wolfe RC**. Gleolan: preoperative planning to achieve "optical" success. *J Perianesth Nurs* 2021;36:734-5.
- **Wolfe RC**. Magnesium: an emerging perioperative analgesic adjunct. *J Perianesth Nurs* 2022. [In press]
- Drubin CW, **Wolfe RC**, Wildes TS. Sugammadex introduction is associated with increased dosing of neuromuscular blocking drugs. *Perioper Care Oper Room Manag* 2022;26:1-10.
- Zárate Rodríguez JG, Leigh N, Edgley C, Cos H, **Wolfe R**, et al. Preoperative transversus abdominis plane block decreases intraoperative opiate use during pancreaticoduodenectomy. *HPB (Oxford)* 2021 Dec 16. [Epub ahead of print]

#### Presentations

- **Richard Parrish**: Developing an Enhanced Recovery After Surgery (ERAS®) protocol: best practices reduce complications in surgical patients. Presented at: Atrium Health, CME Outfitters; August 2021; virtual.
- **Richard Parrish, Brian Kramer, Eric Johnson** (as members of the Enhanced Recovery Comparative Pharmacotherapy Collaborative): Characterizing pharmacotherapeutic prophylaxis within an ERAS® program: a retrospective cohort feasibility study. Presented at: 4th Annual Meeting of ERAS-USA; November 11, 2021; New Orleans, LA.

## New ACCP Fellow

- **Gourang Patel**

## Other Notable Achievements

- **Cara Coleman:** BCPS
- **William Dager:**  
Chancellor of the American College of Critical Care Medicine.  
CHEST Perioperative Guidelines for Thrombosis and Antithrombotic Therapy Panel Member.

## Pharmacokinetics/Pharmacodynamics/ Pharmacogenomics PRN

### Promotions

- **Amanda Massmann:** Lead Clinical Pharmacogenomics Pharmacist, Sanford Imagenetics.
- **Joel Van Heukelom:** Pharmacy Supervisor, Sanford Imagenetics.

### Grants

- **Seenae Eum:** Genotype- and Phenoconversion-Predicted CYP2D6 Activity and Risperidone Exposure. Shenandoah University School of Pharmacy, 2022 AACP New Investigator Award. Principal Investigator; Research Mentor: Jeffrey R. Bishop (\$7000).
- **Courtney Paetznick:** ASHP Foundation Resident Research Grant, Children's Minnesota. Principal Investigator (PGY2 Clinical Pharmacogenomics Resident). Senior Investigator: Jacob T. Brown (\$5000).
- **Ryley Uber:** Implementation and Evaluation of Preemptive Pharmacogenomics Testing in an Aging Population. Geisinger, Pennsylvania Department of Health – Health Research Formula Grant, Principal Investigator.

### Publications

- Albassam A, **Alghanem SS**, Alawadhi F, Alsulaimani Z. Knowledge, confidence, and perception toward therapeutic drug monitoring among physicians and pharmacists in Kuwait. *Ther Drug Monit* 2022 Jan 27. [Epub ahead of print]
- **Beitelshees AL**, Thomas CD, **Empey PE**, Stouffer GA, Angiolillo DJ, Franchi F, **Tuteja S**, **Limdi NA**, **Lee JC**, Duarte JD, Kreutz RP, Skaar TC, Coons JC, Giri J, McDonough CW, Rowland R, **Stevenson JM**, Thai T, Vesely MR, Wellen JT, Johnson JA, Winterstein AG, **Cavallari LH**, **Lee CR**, et al. *CYP2C19* genotype-guided antiplatelet therapy after percutaneous coronary intervention in diverse clinical settings. *J Am Heart Assoc* 2022;11:e024159.

- **Bishop JR**, Huang RS, **Brown JT**, Mroz P, Johnson S, Allen JD, Bielinski SJ, England J, Farley JF, **Gregornik D**, Giri J, Kroger C, Long SE, Luczak T, McGonagle EJ, Ma S, Matey ET, Mandic PK, Moyer AM, Nicholson WT, **Petry N**, et al. Pharmacogenomic education, research, and clinical implementation in the state of Minnesota. *Pharmacogenomics* 2021;22:681-91.
- **Bishop JR**, **Zhang L**, Lizano P. Inflammation subtypes and translating inflammation-related genetic findings in schizophrenia and related psychoses: a perspective on pathways for treatment stratification and novel therapies. *Harv Rev Psychiatry* 2022;30:59-70.
- **Brown JT**, **Gregornik DB**, Jorgenson A, Watson D, Roiko SA, **Bishop JR**. Sertraline prescribing trends in children and adolescents based on *CYP2C19* genotype. *Pharmacogenomics* 2022;23:247-53.
- Luczak T, Stenehjem DD, **Brown JT**. Applying an equity lens to pharmacogenetic research and translation to underrepresented populations. *Clin Trans Sci* 2021;14:2117-23.
- Steiner HE, Giles JB, Patterson HK, Feng J, Rouby NE, Claudio K, Marcatto LR, Tavares LC, Galvez JM, Calderon-Ospina CA, Sun X, Hutz MH, Scott S, **Cavallari LH**, Fonseca DJ, Duconge J, Botton MR, Santos PCJL, **Karnes JH**. Machine learning for prediction of stable warfarin dose in US Latinos and Latin Americans. *Front Pharmacol* 2021;12:749786.
- **Cicali EJ**, **Elchynski AL**, Cook KJ, Houder JT, Thomas CD, **Smith DM**, Elsey A, Johnson JA, **Cavallari LH**, et al. How to integrate CYP2D6 phenoconversion into clinical pharmacogenetics: a tutorial. *Clin Pharmacol Ther* 2021;110:677-87.
- Ratner L, Zhu JD, Gower MN, Patel T, Miller JA, Cipriani A, Stouffer GA, **Crona DJ**, **Lee CR**. Pharmacogenomic guided prescribing opportunities in percutaneous coronary intervention and bone marrow transplant patients. *Pharmacogenomics* 2022;23:183-94.
- **Elchynski AL**, Desai N, D'Silva D, Hall B, Marks Y, Wiisanen K, **Cicali EJ**, **Cavallari LH**, et al. Utilizing a human-computer interaction approach to evaluate the design of current pharmacogenomics clinical decision support. *J Pers Med* 2021;11:1227.
- Duarte JD, Dalton R, **Elchynski AL**, **Smith DM**, **Cicali EJ**, **Lee JC**, Duong BQ, **Petry NJ**, **Aquilante CL**, **Beitelshees AL**, **Empey PE**, Johnson JA, Obeng AO, **Pasternak AL**, Pratt VM, Ramsey LB, **Tuteja S**, Van Driest SL, Wiisanen K, **Hicks JK**, **Cavallari LH**. Multi-site investigation of strategies for the clinical implementation of pre-emptive pharmacogenetic testing. *Genet Med* 2021;23:2335-41.

- **Eum S**, Hill SK, Alliey-Rodriguez N, **Stevenson JM**, Rubin LH, Lee AM, Mills LJ, Reilly JL, Lencer R, Keedy SK, Ivleva E, Keefe RSE, Pearson GD, Clementz BA, Tamminga CA, Keshavan MS, Gershon ES, Sweeney JA, **Bishop JR**. Genome-wide association study accounting for anticholinergic burden to examine cognitive dysfunction in psychotic disorders. *Neuropsychopharmacology* 2021;46:1802-10.
- **Eum S**, Sayre F, Lee AM, Stingl JC, **Bishop JR**. Association of *CYP2B6* genetic polymorphisms with bupropion and hydroxybupropion exposure: a systematic review and meta-analysis. *Pharmacotherapy* 2022;42:34-44.
- **Gammal RS**, Berenbrok LA, **Empey PE**, Massart MB. Documenting pharmacogenomic test results in electronic health records: practical considerations for primary care teams. *J Pers Med* 2021;11:1296.
- **Hoffecker G**, **Xu Y**, Kanter G, Matthai W, Kolansky DM, Giri J, **Tuteja S**. Interventional cardiologists' attitudes towards pharmacogenetic testing and impact on antiplatelet prescribing decisions. *Per Med* 2022;19:41-9.
- Kumar GVN, **Hoshitsuki K**, Rathod S, et al. Mechanistic studies of PEG-asparaginase-induced liver injury and hepatic steatosis in mice. *Acta Pharm Sin B* 2021;11:3779-90.
- **Karnes JH**, Arora A, Feng J, et al. Racial, ethnic, and gender differences in obesity and body fat distribution: an All of Us research program demonstration project. *PLoS One* 2021;16:e0255583.
- **Karnes JH**, Asempa T, Barreto J, Belcher RM, Bissell BD, **Gammal RS**, Kier KL, **Lee CR**, et al. The essential research curriculum for doctor of pharmacy degree programs: 2021 update. *J Am Coll Clin Pharm* 2022 Feb 2. [Epub ahead of print]
- Clark CR, Chandler PD, Zhou G, Noel N, Achille C, Mendez L, **Karnes JH**, et al. Geographic variation in obesity at the state level in the All of Us research program. *Prev Chronic Dis* 2021;18:E104.
- Giles JB, Miller EC, Steiner HE, **Karnes JH**. Elucidation of cellular contributions to heparin-induced thrombocytopenia using omic approaches. *Front Pharmacol* 2022;12:812830.
- Miller E, Norwood C, Giles JB, Huddart R, **Karnes JH**, et al. PharmGKB summary: heparin-induced thrombocytopenia pathway, adverse drug reaction. *Pharmacogenet Genomics* 2022 Jan 31. [Epub ahead of print]
- Steiner HE, Gee K, Giles J, Knight H, Hurwitz BL, **Karnes JH**. Role of the gut microbiome in cardiovascular drug response: the potential for clinical application. *Pharmacotherapy* 2022;42:165-76.
- **Lee CR**, Luzum JA, Sangkuhl K, **Gammal RS**, Sabatine MS, Stein CM, Kisor DF, Limdi NA, Lee YM, Scott SA, Hulot JS, Roden DM, Gaedigk A, **Caudle KE**, et al. Clinical Pharmacogenetics Implementation Consortium guideline for *CYP2C19* genotype and clopidogrel therapy: 2022 update. *Clin Pharmacol Ther* 2022 Jan 16. [Epub ahead of print]
- **Petry NJ**, **Van Heukelom J**, Baye JF, **Massmann A**. The effect of medication reconciliation on generating an accurate medication list in a pharmacogenomics practice. *Pharmacogenom Res Per Med* 2021 Oct 15. [Epub ahead of print]
- **Smith DM**, **Stevenson JM**, **Ho TT**, **Formea CM**, **Gammal RS**, **Cavallari LH**. Pharmacogenetics: a precision medicine approach to combatting the opioid epidemic. *J Am Coll Clin Pharm* 2022;5:239-50.
- Lee AJ, Hui AC, Walker AD, Peshkin BN, Swain SM, **Smith DM**. Evaluation of a longitudinal pharmacogenomics education on pharmacist knowledge in a multicampus healthcare system. *Pharmacogenomics* 2022;23:173-82.
- Wake DT, **Smith DM**, Kazi S, **Dunnenberger HM**. Pharmacogenomic clinical decision support: a review, how-to guide, and future vision. *Clin Pharmacol Ther* 2021 Aug 8. [Epub ahead of print]
- **Tuteja S**, Salloum RG, **Elchynski AL**, **Smith DM**, Rowe E, Blake KV, **Limdi NA**, **Aquilante CL**, Bates J, Beitelshes AL, Cipriani A, Duong BQ, **Empey PE**, **Formea CM**, **Hicks JK**, Mroz P, Oslin D, **Pasternak AL**, **Petry N**, Ramsey LB, Schlichte A, Swain SM, **Ward KM**, Wiisanen K, Skaar TC, Van Driest SL, **Cavallari LH**, **Bishop JR**, et al. Multisite evaluation of institutional processes and implementation determinants for pharmacogenetic testing to guide antidepressant therapy. *Clin Transl Sci* 2022;15:371-83.
- Hung AM, Shah SC, Bick AG, Yu Z, Chen HC, Hunt CM, Wendt F, Wilson O, Greevy RA, Chung CP, Suzuki A, Ho YL, Akwo E, Polimanti R, Zhou J, Reaven P, Tsao PS, Gaziano JM, Huffman JE, Joseph J, Luoh SW, Iyengar S, Chang KM, Casas JP, Matheny ME, O'Donnell CJ, Cho K, Tao R, Susztak K, Robinson-Cohen C, **Tuteja S**, et al. APOL1 risk variants, acute kidney injury, and death in participants with African ancestry hospitalized with COVID-19 from the Million Veteran Program. *JAMA Intern Med* 2022 Jan 28. [Epub ahead of print]
- Lau-Min KS, Varughese LA, Nelson MN, Cambareri C, Reddy NJ, Oyer RA, Teitelbaum UR, **Tuteja S**. Preemptive pharmacogenetic testing to guide chemotherapy dosing in patients with gastrointestinal

malignancies: a qualitative study of barriers to implementation. *BMC Cancer* 2022;22:47.

- Lee GK, Varughese LA, Conway L, Stojinski C, Ashokkumar A, Monono K, Matthai W, Kolansky DM, Giri J, **Tuteja S**. Attitudes toward pharmacogenetics in patients undergoing *CYP2C19* testing following percutaneous coronary intervention. *Per Med* 2022;19:93-101.
- Nathan AS, Geng Z, Eberly LA, Eneanya ND, Dayoub EJ, Khatana SAM, Kolansky DM, Kobayashi TJ, **Tuteja S**, et al. Identifying racial, ethnic, and socioeconomic inequities in the use of novel P2Y12 inhibitors after percutaneous coronary intervention. *J Invasive Cardiol* 2022 Jan 16. [Epub ahead of print]
- Shah SC, Halvorson AE, McBay B, Dorn C, Wilson O, Denton J, **Tuteja S**, et al. Proton pump inhibitor use is not associated with severe COVID-19 related outcomes: a propensity score weighted analysis of a national veteran cohort. *Gut* 2021 Oct 18. [Epub ahead of print]
- Writer R, Barthen C, Antinopoulos B, **Uber R**, **Stevenson JM**, et al. How community pharmacists envision using pharmacogenomic data: a qualitative analysis. *J Am Pharm Assoc* (2003) 2021;61:e64-e70.
- **Zhang L**, Hill SK, Guo B, Wu B, Alliey-Rodriguez N, **Eum S**, et al. Impact of polygenic risk for coronary artery disease and cardiovascular medication burden on cognitive impairment in psychotic disorders. *Prog Neuropsychopharmacol Biol Psychiatry* 2022;113:110464.

#### New ACCP Fellow

- **Jason H. Karnes**

#### Pulmonary PRN

##### Promotions

- **Melissa Lipari**: Associate Professor (Clinical), Wayne State University Eugene Applebaum College of Pharmacy & Health Sciences, Detroit, MI.

##### Publications

- Cirbus K, Simone PA, **Austin Szwak J**. Rivaroxaban and apixaban for the treatment of suspected or confirmed heparin-induced thrombocytopenia. *J Clin Pharm Ther* 2022;47:112-8.
- O'Brien K, Badowski M, Bartoo AS, Peppard W, Schwarz K, Sharpe A, **Austin Szwak J**. Determining support for and barriers to pharmacist-driven research: results of a national survey. *J Am Coll Clin Pharm* 2021;4:1534-9.

- Walsh EB, Forinash AB, Stauffer RL, Yancey A, Crannage EF, Mahan K, **Bollmeier SG**. Budesonide-formoterol as needed for the treatment of mild persistent asthma. *Med Clin Res Open Access* 2021;2:1-7.
- **Boylan PM**. Transitions of Care in Pharmacy Casebook, 160 pp, US \$49.95 (paperback), US \$37.49 (eBook), 1st ed. Bethishou L, Wooster J, On PC, eds. McGraw-Hill Education/Medical, 2021, ISBN: 978-1-260-47461-9 [book review]. *Curr Pharm Teach Learn* 2022;14:120-1.
- **Lipari M**. COPD guideline updates. In: Irons BK, Meredith AH, eds. Ambulatory Care Self-Assessment Program, 2022 Book 1. Pulmonary Care. American College of Clinical Pharmacy, 2022:85-100.
- **Lipari M**, Wilhelm SM, Giuliano CA, et al. A scaffolded problem-based learning course for first-year pharmacy students. *Curr Pharm Teach Learn* 2022 Jan 22. [Epub ahead of print]
- George J, Ganoff M, **Lipari M**. Corticosteroid exposure in the treatment of severe COPD exacerbations. *J Pharm Pract* 2022;35:101-5.
- **Moon JY**, Lounsbery JL, Pittenger AL. Addressing practical challenges with entrustable professional activities in ambulatory care experiential education. *Curr Pharm Teach Learn* 2022;14:200-7.
- Schweiss SK, Hager KD, **Moon JY**, et al. Evaluating the evolution of philosophy of practice over post-graduate year 1 residency training. *J Am Coll Clin Pharm* 2021;4:1420-7.
- **Rebolledo JA**, Rhodes NJ, Valdes AM, et al. Implementation of a clinical pharmacist-driven comprehensive medication management program in an outpatient wound healing center. *J Am Pharm Assoc* (2003) 2021 Oct 22. [Epub ahead of print]
- Duque A, Arrighi S, Sanchez D, **Santibañez M**. 24: Pharmacologic management of heart failure with recovered ejection fraction [abstract]. *J Am Coll Clin Pharm* 2021;4:1199-200.
- Hegab S, Kelly B, Franco-Palacios DJ, Grafton G, Ismail R, **Smith ZR**, et al. Serious illness conversations in pulmonary hypertension. *Pulm Circ* 2021;11:20458940211037529.
- Joshi S, **Smith ZR**, Soman S, et al. Low- versus high-dose methylprednisolone in adult patients with coronavirus disease 2019: less is more. *Open Forum Infect Dis* 2022;9:ofab619.
- To L, Attar D, Lines B, McCarty M, Nemeh H, Lopez-Plaza I, **Smith Z**, et al. Incidence of heparin-induced thrombocytopenia in patients with newly implanted mechanical circulatory support devices. *Ann Pharmacother* 2021 Aug 12. [Epub ahead of print]



- Cabri A, Barsegayan N, Postelnick M, Nguyen V, **Szwak J**, et al. Pharmacist intervention on prescribing errors: development of a standardized approach in the inpatient setting. *Am J Health System Pharm* 2021;78:2151-8.
- Thomas C, Mikat-Stevens N, Holland B, Jerger N, Kao CK, Kolek J, **Szwak JA**, et al. Reducing inpatient hypoglycemic events – a focus on meal-time insulin. *Clin Diabetes*. [In press]
- **Wilken L, Eades A**. Asthma. In: Chisholm-Burns MA, Schwinghammer TL, Malone PM, et al., eds. *Pharmacotherapy Principles & Practice*, 6th ed. McGraw-Hill, 2022.
- Valentino AS, Eddy E, Woods Z, **Wilken L**. Pharmacist provided spirometry services: a scoping review. *Integr Pharm Res Pract* 2021;10:93-111.

### Presentations

- **Bollmeier SG**. Future directions and considerations for the prescription drug promotion research agenda. Presented at: Informing and Refining the Prescription Drug Promotion Research Agenda; November 2021; virtual.
- Pinner N, **Boylan P**. Managing transitions in COPD: a focus on multimorbidity. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting 2021; December 2021; virtual.
- **Fleishman M**:  
Biologics and biomarkers: management of severe asthma. Presented at: ASHP Midyear 2021 Clinical Meeting and Exhibition; December 2021; virtual.  
Managing daily care: directions for the future – patient characteristics based on calculated adherence to cystic fibrosis medications. Presented at: North American Cystic Fibrosis Conference; November 2021; virtual.
- **Moon JY**:  
Women's Health PRN: Racial and ethnic disparities in contraception/emergency contraception and pharmacist involvement in addressing inequalities. Presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.  
Clinical pearls: asthma updates. Presented at: Minnesota Pharmacists Association Annual Meeting & MTM Symposium; November 2021; virtual.
- **Rebolledo JA**. Healthcare disparities in asthma affecting Hispanics and Latinos. Presented at: Association of Asthma Educators Annual Conference; November 2021, virtual.
- **Santibañez M**:  
Common ICU medications. Presented at: Borinquen Medical Center; February 2022; virtual.

- Infectious complications associated with COVID-19 therapies. Presented at: American College of Clinical Pharmacy Clinical Reasoning Series in Pharmacotherapy; November 2021; virtual.
- Beyond the shakes: treatment of alcohol withdrawal in the critically ill. Presented at: Florida Society of Health-System Pharmacists Annual Meeting; August 2021; Orlando, FL.
- Tips for residency letters of intent. Presented at: Nova Southeastern University College of Pharmacy; November 2021; Fort Lauderdale, FL.
- Biostatistics applications. Presented at: Memorial Regional Hospital; September 2021; Hollywood, FL.
- Use of Microsoft Excel for research. Presented at: Memorial Regional Hospital; August 2021; Hollywood, FL.
- Critical care for non-ICU clinicians: expert panel series. Presented at: Society of Critical Care Medicine; September 2021; virtual.
- **Smith Z**. Critical Care PRN Focus Session – A breath of fresh air: clearing the controversies in ARDS management: inhaled pulmonary vasodilators in acute respiratory distress syndrome. Presented at: American College of Clinical Pharmacy Annual Meeting; October 2021; virtual.
- **Wilken L**. Updates in asthma management: a tale of 2 guidelines. Pulmonary Practice and Research Network Focus Session. Presented at: American College of Clinical Pharmacy Annual Meeting; November 2021; virtual.

### Awards, Honors, and Recognitions

- **Paul Boylan**: 2021 Most Collegial Faculty Member, University of Oklahoma College of Pharmacy Department of Pharmacy: Clinical and Administrative Sciences.

### Grants (including intramural and extramural funding)

- **Jennifer Austin Szwak**: TELE-TOC: Telehealth Education: Leveraging Electronic Transitions of Care for COPD Patients. Agency for Healthcare Research & Quality. Co-Investigator (\$1.9 million).
- **Paul Boylan**: Patterns of Care, Outcomes, and Barriers to Treatment Success or Vaccination Associated with Adult Community-Acquired Pneumonia in Medicaid. Pfizer. Co-Investigator (20% effort), 2021. (\$149,974)
- **Zach Smith**: Shields Health Solutions Residency Research Grant 2021; Henry Ford Hospital. Senior Investigator (\$5000).

## Other Notable Achievements

- **Jennifer Austin Szwak:** New position as Clinical Pharmacy Specialist, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD.
- **Amanda Eades:** New appointment as Coordinator of Patient Care Skills Lab, University of Illinois at Chicago College of Pharmacy, Chicago, IL.
- **Julio A. Rebolledo:** Association of Asthma Educators, Board of Directors 2022–2024. Treasurer 2022.
- **Melissa Santibañez:**  
Media Appearances. Geddes-McCarthy N. Clinical practice spotlight – critical care pharmacist. *ACCP StuNews* student newsletter. January 2022. (Invited interview)  
Peer interviewer for SCCM CPP Practice Advancement Committee webinar titled “How to Incorporate Research into Your Day-to-Day Practice.” December 2021.  
Moderator for Pulmonary PRN focus session titled “Updates in asthma management: a tale of 2 guidelines” available on-demand for American College of Clinical Pharmacy Annual Meeting, November 2021.  
Journey to Healthcare alumni panel to NSU undergraduate freshman students. October 2021. (Invited panelist)

## Women’s Health PRN

### Awards

- **Nicole Cieri-Hutcherson:** 2022 Pharmacy Practice Faculty Preceptor of the Year Award, University at Buffalo School of Pharmacy and Pharmaceutical Sciences.
- **Lauren Cirrincione:** 2022 Clinical Pharmacology & Therapeutics Award, American Society of Clinical Pharmacology & Therapeutics.

### Publications

- Guerin J, Engelmann A, Mattamana M, **Borgelt L.** Use of hormonal contraceptives in menopause: a systematic review. *Pharmacotherapy* 2022;42:154-64.
- **Campbell N,** Kalabalik-Hoganson J, Frey K. Vericiguat: a novel oral soluble guanylate cyclase stimulator for the treatment of heart failure. *Ann Pharmacother* 2021 Aug 25. [Epub ahead of print]
- Rovelli R, **Cieri-Hutcherson NE,** Hutcherson TC. Systematic review of oral pharmacotherapeutic options for the management of uterine fibroids. *J Am Pharm Assoc* 2022. [In press]
- Warunek LN, **Cieri-Hutcherson NE,** Kersten B, et al. Interventional, quasi-experimental study of a chronic obstructive pulmonary disease education care plan for hospital discharge. *Pharmacy (Basel)* 2021;9:202.

- **Cirrincione LR,** Crews BO, Dickerson JA, et al. Oral estrogen leads to falsely low concentrations of estradiol in a common immunoassay. *Endocr Connect* 2022;11:e210550.
- Fadich SK, Kalayjian A, Greene DN, **Cirrincione LR.** A retrospective analysis of creatinine-based kidney function with and without sex assigned at birth among transgender adults. *Ann Pharmacother* 2021 Oct 20. [Epub ahead of print]
- Vlad S, Boucoiran I, St-Pierre ÉR, **Ferreira E.** Mifepristone-misoprostol use for second and third trimester medical termination of pregnancy in a Canadian tertiary care centre. *J Obstet Gynaecol Can* 2022 Jan 31. [Epub ahead of print]
- Murugappan MN, **Westberg SM,** Contag S, et al. Maternal ADHD and perinatal prescription stimulant use. *J Atten Disord* 2022 Jan 20.

## ACCP FOUNDATION UPDATE



### 2022 Futures Grants: Mentored Research Funding Opportunity

The 2022 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 2022. To access detailed instructions about this grant award program, visit [www.accpfoundation.org/futures](http://www.accpfoundation.org/futures).

The grant application portal will open May 15, 2022, and completed applications will be due no later than September 1, 2022. Grants will be reviewed and scored by translational category of the research in addition to the applicant’s eligibility level.

All applicants must 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](mailto:jculley@accp.com)**

*Supported by the ACCP Foundation Frontiers Fund.*

## Call for Abstracts

2022 ACCP Global Conference – October 15–18 –  
San Francisco, California

### Important Dates:

#### Submission Deadline

- June 15, 2022: 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, 2022: Submission deadline for Research-in-Progress abstracts (Students and Residents and Fellows)

#### Notification of Acceptance

- August 15, 2022: 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/2022abstracts/](http://www.accp.com/abstracts/2022abstracts/) 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 REPORT

### ACCP Advocacy Leadership Opportunity: PRN PAC Captains Overview

Since opening its Washington, D.C., office in 2000, the College has invested heavily in its government affairs advocacy initiatives aimed at securing coverage and payment for clinical pharmacists' services.

This investment recognizes the need to differentiate and distinguish the practice of clinical pharmacy while working to integrate, advance, and position ACCP members to fully contribute their unique expertise in a rapidly evolving health care landscape.

The ongoing investment in ACCP's Washington office prioritizes a team-based, collaborative advocacy strategy. ACCP combines a significant portfolio of intraprofessional work alongside its colleague pharmacy organizations, with a range of interprofessional activities in collaboration with



physician groups, patient advocacy organizations, and other key external stakeholders.

ACCP's strategy would amend Section 1861 of the Social Security Act to add “qualified clinical pharmacists” as recognized providers under Medicare definitions. But the strategy goes beyond “provider status.” Quite simply, establishing meaningful coverage at the appropriate payment levels for the complexity of work that clinical pharmacists deliver in team-based environments requires more than just a technical amendment. A comprehensive approach to patient care requires a comprehensive advocacy strategy.

ACCP is confident this investment is worthwhile. It has allowed the College to establish itself as a significant political force in policy discussions related to medication optimization in team-based care structures.

### ACCP PRN PAC Captains

Given feedback from PRN leaders, ACCP determined that it hadn't successfully established a clear understanding within the ACCP membership regarding what ACCP's political action committee (PAC) was and why it was important for the College's advocacy efforts.

To address this, in 2019, ACCP launched an initiative to develop a group of PRN PAC captains to serve as liaisons between the PAC and their PRN, with the goal to foster a better understanding of how the PAC fits within ACCP's broader advocacy strategy and align PAC support with the College's practice advancement initiatives.

- Each PRN is to be represented by a PAC captain. PRN chairs who do not assign a captain are automatically assigned the role of PAC captain unless that PRN specifically opts out.
- The position of PAC captain is not intended to require a significant time commitment. The position is designed to serve as a communications liaison, to enhance communications from ACCP to PRN members about the College's advocacy work in Washington, D.C.

### Key Messages for Understanding ACCP's Advocacy Platform

#### 1. Coverage and Payment for Clinical Medication Management Services

ACCP's top advocacy priority is to secure coverage and payment for clinical pharmacists' services. However, ACCP's advocacy strategy also goes beyond provider status. Like with provider status, the College seeks to amend Section 1861 of the Social Security Act to recognize qualified clinical pharmacists as Medicare providers. But for pharmacists to be paid for taking care of patients, it is essential that Medicare specifically establish a medication management benefit. Dentists, for example, are recognized

Medicare providers, but their services aren't covered by Medicare; hence, they do not qualify for payment.

## 2. Advocacy Strategy Targeting Multiple Payers

ACCP's advocacy strategy also looks beyond Medicare. Medicare is the largest single payer of health care services in the country. But innovative clinical pharmacy practice is delivered across a wide variety of care settings and structures. It wouldn't make sense to ask commercial payers to recognize clinical pharmacists as providers and allow them to submit claims. The approach used when engaging Medicare is based on the same strategies the College uses within the commercial sector and the Veterans Affairs health system, focusing on securing integration and payment for clinical services in team-based environments.

## 3. Value-Based Alternative Payment Models

Finally, ACCP's advocacy strategy also looks to the future of health care payment. The College recognizes that fee-for-service payments remain the reality in many health systems. But the political environment demands that Medicare expansion evolve under value-based payment structures. Even while fee-for-service payment remains a vital revenue source for existing practices, policy-makers across the public and commercial sectors have made it clear that any benefit expansion to include coverage for clinical pharmacists' services must be aligned with value-based alternative payment models.

### "Reintroducing" ACCP-PAC – Supporting Clinical Pharmacy in Congress in 2022

In recent years, ACCP-PAC has made a series of strategic decisions – given the political dysfunction and gridlock that obstruct the passage of bipartisan health reform legislation – to conserve scarce member resources and avoid engaging in partisan political events.

During this time, ACCP-PAC has gradually built up its cash reserves and has accumulated almost **\$100,000 on hand** to help elect members of Congress who understand the value that clinical pharmacists bring to health care teams and are willing to advance legislation to expand access to services that ensure medication optimization for patients.

ACCP's PAC launched its 2022 election effort by its members attending a small fundraising event for [Rep. Gus Bilirakis \(R-FL\)](#) on Capitol Hill. The event, which was hosted at the offices of ACCP's long-serving consultant lobbyist, [Paul Kelly](#), provided an opportunity to present a PAC check for a \$500 contribution approved by the ACCP-PAC Governing Council.

As the only health care organization represented at the event, ACCP was able to focus discussions on

opportunities to expand Medicare coverage for clinical pharmacists' services and learn more about upcoming legislative action on the Prescription Drug User Fee Act.

### Background of ACCP-PAC

The PAC is a relatively recent addition to ACCP's advocacy arsenal. ACCP's 2007 Strategic Plan called for an examination of the feasibility and value of establishing a PAC, and in 2010, given the positive feedback from ACCP members, the Board of Regents approved the launch of ACCP-PAC. This process reflected a recognition of the rapidly changing health policy landscape after passage of the Affordable Care Act and the increasing complexity of ACCP's advocacy [agenda](#).

### What Is a Political Action Committee (PAC)?

A PAC is a legally defined entity organized to help elect political candidates. By establishing a PAC, ACCP can raise money from its members to provide financial contributions to candidates for office who support its advocacy agenda.

Because financial contributions are protected by the Supreme Court as freedom of speech under the First Amendment, to ensure transparency and accountability in campaign contributions, the [Federal Election Commission \(FEC\)](#) was created to regulate PACs and campaign financing.

### How Does ACCP Decide Which Candidates Will Receive ACCP-PAC Support?

All decisions related to PAC activities are made by the member-led [ACCP-PAC Governing Council](#). ACCP-PAC is **nonpartisan** and will contribute to candidates who understand and support its issues, **regardless of their political party affiliation**.

The PAC Governing Council considers established criteria when making decisions related to candidate support:

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

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

### How Can Members Get Involved?

The easiest way to get involved in ACCP-PAC is to make a [financial contribution](#). But because the PAC is about raising ACCP's political profile in Washington and helping to advance its advocacy goals, it is hoped that members engage in ACCP's advocacy work beyond giving money.



ACCP members who contribute to the PAC may recommend candidates to receive contributions. All PAC contributor recommendations will be considered; however, ACCP may not accommodate all requests.

#### Other Considerations:

- As a federal committee, ACCP-PAC can only contribute to candidates who are running for federal office (i.e., candidates for the U.S. House of Representatives or U.S. Senate, not those in state legislature or gubernatorial races).
- Because of FEC regulations, PAC contributions are NOT deductible as charitable for federal tax purposes and must be made by personal funds and/or post-tax dollars.

#### CONTRIBUTE TO ACCP-PAC!

Political Action Committee (PAC) contributions are a constitutionally protected part of the U.S. political system under the First Amendment's guarantee of free speech.

ACCP-PAC is the only means by which the College can provide financial support for candidates for Congress. With over 17,000 members, ACCP is in a position to become one of the most prominent pharmacy PACs in Washington. To do this, ACCP needs the widespread support of its membership. If each ACCP member contributed just \$30, ACCP-PAC would raise over \$500,000. All ACCP members should consider donating at least \$30 to ACCP-PAC.

[Click here](#) to support your PAC today!

#### Clinical Pharmacists on Capitol Hill: Update from the 2021–2022 ACCP-ASHP-VCU Congressional Healthcare Policy Fellow

Since September 2021, Tatiana Bujnoch, Pharm.D., M.S., BCPS, has been working in a congressional office on Capitol Hill in Washington, D.C., as the 2021–2022 [American College of Clinical Pharmacy-American Society of Health-System Pharmacists-Virginia Commonwealth University Congressional Healthcare Policy Fellow](#).

Launched in 2006, this prestigious program offers a unique, year-long health care policy learning experience in the U.S. Congress and the government affairs offices of ACCP and ASHP. This provides pharmacists an opportunity to gain insight into health care policy analysis and development through immersion in the congressional environment. Fellows are mentored in legislative evaluation, policy development, research, and writing.

Bujnoch earned her Pharm.D. degree from Northeastern University in Boston and her M.S. degree in pharmacy administration and leadership from the University of Houston. Her postgraduate training was in health system pharmacy administration and leadership at Memorial Hermann Health System in Houston.

The Fellow program begins in July with 1 week at the

Brookings Institution and 3 weeks each at ACCP's and ASHP's government affairs offices, followed by 12 months on Capitol Hill. Midway through her year, Bujnoch sat down with ACCP staff to discuss her experience so far.

#### Q: What is your position on Capitol Hill?

A: I am currently a Health Policy Fellow with the Committee on Ways and Means in the House of Representatives. More specifically, I work with the staff for the Subcommittee on Health. The Committee on Ways and Means is the oldest committee in the United States Congress and is the chief tax-writing committee in the House of Representatives. It has jurisdiction over all taxation, tariffs, and revenue-raising measures. The Subcommittee on Health focuses on policies impacting Medicare and private health insurance, particularly as it relates to provisions in the Affordable Care Act.

#### Q: What is it like working for Congress under COVID conditions? How do you engage with your colleagues, external constituents, etc.?

A: COVID has definitely impacted my working conditions. I am primarily working remotely, but I have the option and availability to go into our office. I try to go in a couple of days a week (pre-Omicron at least) so that I can truly experience working in the United States Capitol Building. I enjoy getting to soak in unique experiences such as exploring the building, passing U.S. representatives in the hall that you see on the news, or getting stopped by the President's motorcade as he is coming to the Capitol to meet the Speaker of the House.

That being said, the majority of my team works remotely and mainly comes into the office on an as-needed basis. However, we have a morning check-in meeting most days and get to discuss all that is going on. We also chat consistently with each other and can quickly reach out when we have questions. Meetings with external constituents are all virtual, which allows for more flexibility as well.

#### Q: What are some of the policy priorities you are working on?

A: Our committee overall has many priorities and contributions in the current Build Back Better Act that has passed the House and is now in the Senate. I was able to sit in on some conversations surrounding those provisions, in particular drug price negotiations. That has been a major focus for the past few months since I joined the committee.

Outside that, I have personally been doing work to help lay the foundation for future efforts in quality metrics and reporting and incentive bonuses for health care

payers. I also have contributed to our work around mental health and disabilities, particularly as they intersect with racial equity issues.

**Q: What are some things that surprised you about life and work in Congress?**

A: There is so much! I would say the biggest thing is understanding just how complex moving legislation, especially major legislation, through Congress is. From committees to budget scoring, to working with the agencies in the other branches of government, to bringing in outside experts, to negotiating across parties and across the House and the Senate – it is a difficult process to ensure that the best laws are being created for the American people.

It makes sense to ensure that there are plenty of checks and balances in place along the way, but it was so much more than I ever anticipated before working in Congress.

**Q: What advice would you provide for potential applicants?**

A: My biggest piece of advice for potential applicants is to take the chance and apply for the program, even if you don't feel qualified. This is a unique opportunity for pharmacists to get to work hands-on in Congress and is worth taking a chance on if you have a passion for policy work. You do not have to be a law or congressional expert to apply – you just need passion and an openness to learn and grow.

**Alumni Fellows**

The 2020–2021 fellow, Nimit Jindal, Pharm.D., currently serves as Health and Labor Legislative Assistant in the U.S. House of Representatives, working for Rep. [Joseph Morelle \(D-NY\)](#).

After serving in the program, past fellows have gone on to engage in a variety of important roles in health care policy and government:

- Nilofar Jafari, Pharm.D., MPH, serves as a Pharmacy Benefits Management Clinical Informatics Pharmacist Program Specialist, U.S. Department of Veterans Affairs.
- Rita A. Habib, Pharm.D., MPH, works as a full-time staff member in the office of Sen. Michael Bennet (D-CO).
- Tracy Rupp, Pharm.D., MPH, is a Consumer Safety Officer, CDER Office of Compliance at the U.S. Food and Drug Administration (FDA).
- Daniel Nam, RPh, J.D., is the Associate Principal, Pharmacy Policy at Avalere Health.

**Applications for the 2023–2024 Pharmacy Healthcare Policy Fellow Program**

The application deadline is January 31, 2023. Interested candidates should visit the pharmacy Congressional Healthcare Policy Fellow program website for more information and instruction on submitting an application. For more information, [click here](#).

**Federal Legislation Would Establish Medicare Coverage for Qualified Clinical Pharmacists Delivering Pharmacogenetic Consultations**

Potentially significant legislative language was recently introduced on Capitol Hill that includes a provision to cover payment for qualified clinical pharmacists delivering “pharmacogenetic consultations.”

**Opportunities for Clinical Pharmacists**

In specifying that “qualified clinical pharmacists” should be responsible for delivering pharmacogenetic/pharmacogenomic (PGx) consultations, Congress deliberately recognized the unique contributions of clinical pharmacists in the growing area of precision medicine. ACCP applauds Congress's increased understanding of qualified clinical pharmacists' value in providing advanced approaches to therapy for complex conditions.

For this legislative proposal, the term *pharmacogenetic consultation* refers specifically to a consultation furnished to an individual with respect to a genetic or genomic test requested by a physician. As deliverers of these consultations, clinical pharmacists will provide advice and recommendations regarding the dosage, safety, and efficacy of particular drugs, biologics, and other treatments depending on a patient's PGx result.

ACCP has already held meetings with staff members from the lead congressional offices to help these policy-makers better understand the potential for PGx testing to allow for precisely specified and delivered medical care according to the unique characteristics of an individual patient's genetic profile together with the patient's lifestyle and environment.

However, precision medicine is not limited to genetic testing. ACCP also recommends that Congress explore opportunities to expand the definition to ensure precision medicine and pharmacotherapy are available to a broader range of patient populations. Oncology pharmacists, for example, examine protein expression in cancer cells to provide better information about a specific type of cancer, the best treatment to use, and how well a treatment works.

**Next Steps**

ACCP works with a wide range of coalitions focused on legislative and regulatory reform initiatives that integrate team-based, value-driven, evidence-based approaches

into the achievement of patient care outcomes. The PGx consultation provision that could cover clinical pharmacists in certain Medicare payment structures, together with growing interest in comprehensive medication management (CMM) at the Medicare Innovation Center (CMMI), provides further evidence of the growing success of ACCP's strategy to align the profession with high-profile, broadly endorsed, multi-stakeholder legislative efforts on Capitol Hill.

Working with its colleagues at the Colorado Pharmacists Society (CPS), ACCP has already formally endorsed Cures 2.0 and is committed to working with CPS, ACCP members, and congressional leaders to help advance its passage. To become more involved in this effort, contact ACCP's director of government affairs at [jmcglew@accp.com](mailto:jmcglew@accp.com), or visit the [Pharmacogenomics Payment and Policy Taskforce](#) housed within GTMRx.

### The Right Drug Dose Now Act

In a parallel legislative effort also focused on PGx, Reps. Eric Swalwell (D-CA) and Tom Emmer (R-MN) – co-chairs of the Personalized Medicine Caucus – have developed legislation to address the prevalence of adverse drug events and advance the field of PGx. The Right Drug Dose Now Act would foster a national effort to expand the incorporation of evidence-based PGx testing into clinical practice to improve patient outcomes – and ACCP believes this offers a real opportunity to advance the College's work.

Working through the Get the Medications Right (GTMRx) Institute Precision Medicine Enablement via Advanced Diagnostics Workgroup, ACCP supported an effort to amend the Right Drug Dose Now Act to include the following GTMRx recommendations:

- Include the definition of comprehensive medication management (CMM).
- Specify that PGx should be incorporated into the CMM process of care.
- Include CMM within the national evidence-based education campaign.
- Add evidence-based education to increase the public's awareness regarding CMM.
- Clarify the guidelines for improving EHR systems.
- Change to a more appropriate definition of adverse drug events.
- [Click here](#) to learn more about the Right Drug Dose Now Act and read GTMRx's letter of support.

### Get Involved with GTMRx!

ACCP members are encouraged to sign up as members of GTMRx to receive updates and access to exclusive programming. [Click here](#) to join this exciting effort today.

## STUDENT INITIATIVES UPDATE

### 2022 ACCP Student Chapter Awards – Applications Due June 30

ACCP presents two student chapter awards annually: the Outstanding Student Chapter and, from each chapter, the Outstanding Student Chapter Member. Application for each award is submitted as part of the required Annual Chapter Report and is due June 30, 2022. 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 chapter's activities should address ACCP's core values of extending the frontiers of clinical pharmacy and promoting dedication to excellence in patient care, research, and education. A key component of all the core values is the clinical pharmacist's ability to work collaboratively within the health care environment. Each chapter must demonstrate its ability to work with other health disciplines.

An announcement 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 Global Conference 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 must submit a rationale (250 words or less) outlining the plan for using the \$1000 award funds, should it be selected as the winner.

#### Outstanding Student Chapter Member Award

This award recognizes a student who has enhanced student involvement from his or her ACCP chapter at the local, state, or national level and 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 and a *StuNews* article. 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 the 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 2022–2023

Begun as a working group in 2006, the National Student Network Advisory Committee (SNAC) became a standing committee of the College in 2007. Its 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, preceptor, or academic dean or his or her designee. Applications for appointment to the 2022–2023 SNAC are [available online](#). Applications are due June 15, 2022.

## 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 2022 National Resident Advisory Committee (RAC), a working group composed of residents, fellows, and graduate student members of ACCP, has been in communication 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 archives through the link above. If there are topics you would like to see covered in future editions, submit your ideas to [ksims@accp.com](mailto:ksims@accp.com).

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

RAC members are excited to see many PRNs implement mentoring programs for students and postgraduate trainees. RAC members are working to provide a guide for all ACCP-related mentoring opportunities. Please provide information about your PRN-specific program as needed. RAC members are also developing newsletter and social media content, Global Conference programming, fellowship resources, and a visual abstract tutorial.

[Applications](#) for chair, vice chair, and member-at-large positions are due by June 15, 2022.

### PRN Chairs Contact Information

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



## PRN MEMBERSHIP TOTALS

PRACTICE AND RESEARCH NETWORKS	TOTAL
Adult Medicine PRN	798
Ambulatory Care PRN	1564
Cardiology PRN	1091
Central Nervous System PRN	186
Clinical Administration PRN	399
Community-Based PRN	64
Critical Care PRN	1792
Drug Information PRN	193
Education and Training PRN	545
Emergency Medicine PRN	884
Endocrine and Metabolism PRN	270
Geriatrics PRN	244
GI/Liver/Nutrition PRN	147
Global Health PRN	115
Health Equity PRN	176
Health Outcomes PRN	146
Hematology/Oncology PRN	559
HIV PRN	197
Immunology/Transplantation PRN	485
Infectious Disease PRN	1652
Nephrology PRN	145
Pain and Palliative Care PRN	202
Pediatrics PRN	666
Perioperative Care PRN	90
Pharmaceutical Industry PRN	175
Pharmacokinetics/Pharmacodynamics/Pharmacogenomics PRN	279
Pulmonary PRN	88
Women's Health PRN	208
<b>TOTAL:</b>	<b>13,360</b>

## 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	<a href="#">Jon P. Wietholter</a>
Ambulatory Care	<a href="#">Christie A. Schumacher</a>
Cardiology	<a href="#">Andrew J. Smith</a>
Central Nervous System	<a href="#">McKenzie S. Grinalds</a>
Clinical Administration	<a href="#">Richard J. Artymowicz</a>
Community-Based	<a href="#">Margie E. Snyder</a>
Critical Care	<a href="#">Leslie A. Hamilton</a>
Drug Information	<a href="#">Jamie N. Brown</a>
Education and Training	<a href="#">Meredith L. Howard</a>
Emergency Medicine	<a href="#">Elise L. Metts</a>
Endocrine and Metabolism	<a href="#">Nathan A. Painter</a>
Geriatrics	<a href="#">Stephanie M. Crist</a>
GI/Liver/Nutrition	<a href="#">Kelsey M. Rife</a>
Global Health	<a href="#">Ellen Schellhase</a>
Health Equity	<a href="#">Jacinda Abdul-Mutakabbir</a>
Health Outcomes	<a href="#">Aubrey Jones</a>
Hematology/Oncology	<a href="#">Donald C. Moore, III</a>
HIV	<a href="#">Sarah M. Michienzi</a>
Immunology/Transplantation	<a href="#">Amanda J. Condon-Martinez</a>
Infectious Disease	<a href="#">Brandon Dionne</a>
Nephrology	<a href="#">Soo Min Jang</a>
Pain and Palliative Care	<a href="#">Amanda L. Engle</a>
Pediatrics	<a href="#">Titilola M. Afolabi</a>
Perioperative Care	<a href="#">Laura M. Ebbitt</a>
Pharmaceutical Industry	<a href="#">Marco Martino</a>
Pharmacokinetics/Pharmacodynamics/Pharmacogenomics	<a href="#">D. Max Smith, III</a>
Pulmonary	<a href="#">Jean Y. Moon</a>
Women's Health	<a href="#">Lauren Leader</a>