

# **Kevin Nicholas Astle, PharmD, BCPS, BCACP, AAHIVP, CDCES**

Associate Professor, Department of Pharmacotherapeutics and Clinical Research  
University of South Florida, Taneja College of Pharmacy, Tampa, Florida

## **ADDRESS**

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## **EDUCATION**

Associate of Arts University of Florida Gainesville, FL	2010- 2012
Doctor of Pharmacy University of Florida College of Pharmacy Gainesville, FL	2012- 2016

## **POSTGRADUATE TRAINING**

PGY-1 Ambulatory Care Pharmacy Residency Auburn University Clinical Health Services Auburn, AL	July 2016- June 2017
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## **LICENSURE AND BOARD CERTIFICATION**

<b>Registered Pharmacist, Alabama</b> Alabama Board of Pharmacy	June 2016- 2024
<b>Registered Pharmacist, Florida</b> Florida Board of Pharmacy	August 2016- Present
<b>HIV Pharmacist (AAHIVP)</b> American Academy of HIV Medicine	December 2016- Present Recertification in 2024
<b>Registered Pharmacist, North Carolina</b> North Carolina Board of Pharmacy	March 2019- December 2022
<b>Board Certified Pharmacotherapy Specialist (BCPS)</b> Board of Pharmacy Specialties	March 2018- Present Recertification 2025
<b>Board Certified Ambulatory Care Pharmacist (BCACP)</b> Board of Pharmacy Specialties	December 2021- Present Recertification 2028
<b>Certified Diabetes Care and Education Specialist (CDCES)</b> Certification Board for Diabetes Care and Education	March 2022- Present Recertification 2026

## **PHILOSOPHY OF TEACHING AND LEARNING**

I personally view teaching as the process of sharing knowledge and wisdom with others. This can be done directly through formal instruction and through modeling behaviors and actions. I employ a combination of these two important processes in teaching future pharmacists. In the classroom, I provide students with the opportunity to process clinical information and apply it to patient case scenarios. Most importantly, I also teach through my actions and leading by example. I have found that as I gain more experience with teaching, I have gained confidence in my ability to model professional and academic behavior as a teaching tool. I am also continually improving the way I engage students in learning as they prepare for their future pharmacy practice. As I grow as a teacher, I am finding that my teaching style is continuously evolving and adapting to different environments. As much as I focus on improving my teaching, I am also actively engaged in my own ability to learn and develop. This characteristic is derived from my approach to life in general.

A quote that drives many aspects of my life is “Comfort kills ambition. Get uncomfortable and get used to it in your pursuit of your goals and dreams.” I incorporate aspects of this quote in my teaching philosophy—by teaching students that it is acceptable to not know the correct answer or approach immediately, and that working through a problem or process is where true growth occurs. For example, I incorporate this into my teaching in an experiential rotation focused on evidence-based medicine. At the conclusion of the rotation, I guide students to develop a drug therapy review manuscript that would be suitable for publication. For many students this assignment was their first experience in academic writing and in conducting a systematic review of the medical literature. Initially, this task was daunting to students as was met with worry and apprehension. However, by breaking down each step of the process and providing reassurance, students became much more comfortable and learned about the process of drafting a manuscript as a lead author. The primary objective of the students’ learning experience was to complete a process and then apply it through writing, rather than respond with a correct or incorrect answer. This led to an individualized approach whereby I was able coach students rather than simply provide basic instruction. Through coaching I not only teach students, but also model the behavior of a pharmacist being a lifelong learner.

Furthermore, a key objective in teaching is to relate to students and to create an environment that is safe and affirming to share deficits in knowledge and inculcate an eagerness to learn without apprehension of judgment. My objective in doing this is to spark curiosity in students and to encourage continuous professional development through that curiosity. I strive to encourage students to think outside of the box and their accepted “norms” and to stimulate innovative approaches to pharmacy practice and patient care. An example of how I have achieved this is through the innovations implemented in the elective course through the Auburn University Harrison College of Pharmacy, “Providing Pharmacy Care for the LGBTQ+ Community.” One of the cumulative assignments for this course was the completion of a comprehensive patient case. In developing the assignment, I intentionally kept the case details vague and open to interpretation to observe how students would approach the scenario. The instructions that they were given in addition to the case details was to incorporate all the concepts discussed throughout the course into their recommendations. A strong emphasis of the course was health disparities and social determinants of health, which do not have clear “guidelines” or recommendations for how to address. I was impressed with the students’

abilities to develop innovative modalities to address these needs. Specifically, students were geographically diverse throughout the state of Alabama and several researched local organizations and resources to recommend to patients, suggested innovative modalities for collaboration and community-building, and were able to synthesize clinical recommendations for complex medical conditions and treatment modalities.

Characteristics that will lead to success in the profession of pharmacy and in life include resourcefulness, curiosity, and confidence. My goal as an educator is to demonstrate and instill these characteristics into students and residents to develop exceptional pharmacists and lifelong learners.

### **AWARDS, HONORS, HONORARY SOCIETY MEMBERSHIPS**

**Dean's Honor Roll** 2015-2016  
University of Florida College of Pharmacy

**Student Community Engaged Service Award** July 2016  
American Association of Colleges of Pharmacy  
*Awarded to support the implementation of innovative pharmacy services at the Equal Access Clinic Network including tobacco cessation services and diabetes care and education services.*

**Practice Ready Curriculum Curricular Star Award** May 2018  
Auburn University Harrison College of Pharmacy  
*A recognition program established within the AU HCOP in 2017 to recognize faculty contributions to the Practice Ready Curriculum. Awarded to Dr. Kevin Astle for his role in the execution of the PRC on the Mobile Campus primarily through the skills lab courses.*

**Young Alumni Leader of the Year** July 2019  
University of Florida Alumni Association  
*Annual award through the University of Florida Alumni Association to recognize outstanding achievements by leaders within the Gator Club® network. Kevin Astle was recognized for his achievements in revitalizing the South Alabama Gator Club and expanding the network of the University of Florida Alumni Association.*

**Faculty Recognition Program- Collaboration and Integration** Fall 2020  
Auburn University Harrison College of Pharmacy  
*A recognition program established within the AU HCOP in 2020 to recognize faculty contributions to the Practice Ready Curriculum. Individual faculty members and teams of faculty are recognized at the end of each academic semester by the Learning Community Chairs. Awarded to Drs. Kevin Astle, Erika Kleppinger, and Lea Eiland for the provision of the pharmacy-based immunizations certification program despite the challenge of in-person delivery of course material due to the COVID-19 pandemic.*

**Outstanding Reviewer** March 2021

Journal of the American Pharmacists Association  
*An annual recognition by the Journal of the American Pharmacists Association to recognize reviewers for both quality and quantity of peer reviews conducted. A total of 53 individuals recognized during this period.*

**Outstanding Distance Learning Preceptor of the Year**

March 2021

Auburn University Harrison College of Pharmacy  
*Awarded in Spring 2021 recognizing Dr. Kevin Astle's exceptional distance-learning evidence-based medicine Advanced Pharmacy Practice Experience rotation which was delivered to nine student pharmacists during the 2020-2021 academic year.*

**Continuing Education Presenter of the Year**

March 2021

Auburn University Harrison College of Pharmacy  
*An annual award provided by AU HCOP to recognize an exceptional faculty member for their contribution to the continuing education program.*

**Faculty Recognition Program- Sustained Commitment**

Spring 2021

Auburn University Harrison College of Pharmacy  
Auburn University Harrison College of Pharmacy, Auburn, AL  
*A recognition program established within the AU HCOP in 2020 to recognize faculty contributions to the Practice Ready Curriculum (PRC). Individual faculty members and teams of faculty are recognized at the end of each academic semester by the Learning Community Chairs. Awarded to Drs. Kevin Astle, Erika Kleppinger, and Lea Eiland for the sustained commitment to the PRC by adapting the Immunization Workshop to provide certification for pharmacy-based immunizations to the P1's in response to the COVID-19 pandemic.*

**Rho Chi Honor Society**

Spring 2022

Zeta Chapter, Auburn University Harrison College of Pharmacy  
*Nominated by student leaders in recognition of contributions to student learning and mentorship at the Auburn University Harrison College of Pharmacy.*

**Equality Exemplar**

Spring 2022

Auburn University Harrison College of Pharmacy  
*An award presented through the office of Faculty Affairs and Strategic Initiatives to recognize outstanding service to the College in advancing diversity, equity, and inclusion.*

**Outstanding Reviewer**

July 2022 and July 2023

American Journal of Pharmaceutical Education  
*An annual recognition by the American Journal of Pharmaceutical Education to recognize reviewers for both quality and quantity of peer*

reviews conducted. A total of 4 individuals recognized during this period.

### **Outstanding Reviewer**

March 2024

Journal of the American Pharmacists Association

*An annual recognition by the Journal of the American Pharmacists Association to recognize reviewers for both quality and quantity of peer reviews conducted. A total of 17 individuals recognized during this period.*

### **APPOINTMENTS**

Associate Professor (Non-Tenure Track), University of South Florida Taneja College of Pharmacy	July 2024- Present
Clinical Pharmacist, University of South Florida Pediatric Infectious Diseases, Ybor Youth Clinic	February 2024- Present
Clinical Pharmacist, Metro Inclusive Health	March 2023- Present
Clinical Pharmacist, Tampa General Medical Group	August 2022- Present
Assistant Professor, University of South Florida Morsani College of Medicine	July 2022- Present
Assistant Professor (Non-Tenure Track), University of South Florida Taneja College of Pharmacy	July 2022- June 2024
Assistant Professor, University of South Alabama College of Medicine	May 2021- June 2022
Assistant Clinical Professor (Non-Tenure Track), Auburn University Harrison College of Pharmacy	July 2019- June 2022
Curriculum Coordinator, Auburn University Harrison College of Pharmacy	January 2019- July 2019
Instructor, Auburn University Harrison College of Pharmacy	October 2017- January 2019

### **TEACHING, LECTURE**

#### **University Of South Florida Taneja College of Pharmacy**

##### **Course Coordinator**

PHA 6874- Pharmaceutical Skills V (2 Credit Hours)	Fall 2022, 2024
PHA 6792- Evidence-Based Clinical Reasoning II (2 Credit Hours)	Spring 2023
PHA 6935- Independent Study (5 Credit Hours)	Summer 2023- Fall 2023
PHA 6785- Evidence-Based Clinical Reasoning V (1 Credit Hour)	Fall 2023
PHA 6875- Pharmaceutical Skills VI (1 Credit Hour)	Spring 2024

##### **Module Leader**

PHA 5783- Pharmacotherapeutics 2 <i>Men's and Women's Health</i> (28 contact hours)	Spring 2023- Present
<b>Content Expert</b>	
PHA 5781- Integrated Pharmacotherapeutics Primer <i>Special Populations- Sexual and Gender Minorities</i> (0.5 hours) <i>Social Determinants of Health</i> (1 hour)	Fall 2022- Present
PHA 5782- Integrated Pharmacotherapeutics 1 <i>Nicotine Cessation</i> (2 hours) <i>Stroke</i> (2 hours)	Fall 2022- Present
PHA 5783- Integrated Pharmacotherapeutics 2 <i>Gender-Affirming Hormone Therapy</i> (1.5 hours) <i>Anxiety and Panic Disorders</i> (3 hours)	Spring 2023- Present
PHA 6784- Integrated Pharmacotherapeutics 3 <i>Viral Hepatitis</i> (2 hours) <i>HIV</i> (2 hours)	Fall 2023- Present
PHA 6615- Ambulatory Care Pharmacy Practice Elective <i>Nicotine Cessation and Motivational Interviewing</i> (2 hours)	Fall 2023- Present
PHA 6898- Principles of Population Health <i>Social Determinants of Health</i> (1 hour)	Fall 2023- Present
PHA 6562 Pathophysiologic Basis of Disease <i>Gastrointestinal and Digestive System</i> (3 hours)	Spring 2024- Present
<b>Auburn University Harrison College of Pharmacy</b>	
<b>Elective Course Coordinator</b>	
PYPD 9150 – Providing Pharmacy Care for the LGBTQ Community (1 credit hour) <i>Lectures:</i>	Fall 2020- Fall 2021
<ol style="list-style-type: none"> <li>1. <i>Overview of Health Disparities Affecting the LGBTQ Community</i> (2 hours)</li> <li>2. <i>History of Legislation Affecting the LGBTQ Community</i> (2 hours)</li> <li>3. <i>HIV/AIDS: Progress Made and Future Developments</i> (2 hours)</li> <li>4. <i>Gender-Affirming Hormone Therapy</i> (2 hours)</li> <li>5. <i>Combatting Suicide and Mental Health Conditions</i> (2 hours)</li> <li>6. <i>Course Conclusion and Comprehensive Case Discussion</i> (2 hours)</li> </ol>	
PYPD 9976 - Development and Implementation of MTM Services (1 credit hour) <i>Lectures:</i>	Spring 2021
<ol style="list-style-type: none"> <li>1. <i>Overview of MTM Services</i> (2 hours)</li> <li>2. <i>Billing and Technology for MTM Services</i> (2 hours)</li> <li>3. <i>Development of an MTM Business Plan</i> (2 hours)</li> <li>4. <i>Post-Course Reflection and Case Discussion</i> (2 hours)</li> </ol>	
PYPD 9980- Pharmacy Research (1 credit hour) <i>An independent research course developed to teach students through first-hand experience the process of developing and conducting a research project.</i>	Fall 2021- Spring 2022

**Content Expert**

PYPD 9410- Workshop 1 <i>Pharmacists' Patient Care Process (4 hours)</i>	Spring 2021- Fall 2021
PYPD 9420- Workshop 3 <i>Pharmacy-Based Immunizations (12 hours)</i>	Fall 2018- Fall 2020
PYPD 9290- Integrated Learning Experience 10 <i>Peptic Ulcer Disease and Osteoarthritis (2 hours)</i>	Fall 2020- Fall 2021
PYPD 9300- Integrated Learning Experience 11 <i>Tuberculosis and Rheumatoid Arthritis (4 hours)</i>	Spring 2021- Spring 2022

**Skills Lab Coordinator**

PYPD 9240- Integrated Learning Experience 5	Fall 2019- Fall 2021
PYPD 9250- Integrated Learning Experience 6	Fall 2019- Fall 2020
PYPD 9260- Integrated Learning Experience 7	Spring 2020- Spring 2021
PYPD 9270- Integrated Learning Experience 8	Spring 2020- Spring 2021

**Lab Facilitator**

PYPD 9200- Integrated Learning Experience 1	Fall 2017- Fall 2019
PYPD 9210- Integrated Learning Experience 2	Fall 2017- Fall 2019
PYPD 9220- Integrated Learning Experience 3	Spring 2018- Spring 2019
PYPD 9230- Integrated Learning Experience 4	Spring 2018- Spring 2019
PYPD 9240- Integrated Learning Experience 5	Fall 2018- Fall 2021
PYPD 9250- Integrated Learning Experience 6	Fall 2018- Fall 2020
PYPD 9260- Integrated Learning Experience 7	Spring 2019- Spring 2021
PYPD 9270- Integrated Learning Experience 8	Spring 2019- Spring 2021
PYPD 9280- Integrated Learning Experience 9	Fall 2019
PYPD 9290- Integrated Learning Experience 10	Fall 2019

**TEACHING, SUPERVISORY****Tampa General Hospital Residency Program**

Resident	Rotation	Class Year
Tasha Butler- PGY-2 Ambulatory Care	Academia	2024

**University of South Florida Taneja College of Pharmacy****PHA 7692- Advanced Pharmacy Practice Experience, Primary Care**

Students	Class Year
Madelyn Hickey, Maryam Beirami, Genesis Quiles-Reyes, Presley Busch, Charlie Woolgar	2025
Joseph Lamberti, Jacob Prevost, Gerardo Gutierrez, Sabrina Bahadori, Brian Torres, Zineb Falah, Emilee Swanson, Jasmine Pender	2024

## Auburn University Harrison College of Pharmacy

PYDI 9640- Advanced Pharmacy Practice Experience, Ambulatory Care

Students	Class Year
Michael Ball, Courtney Lavender, Thanh Khuu, Sydney Straughn, Caitlan Robbins	2022

PYDI 9600 Advanced Pharmacy Practice Experience, Evidence-Based Medicine

Students	Class Year
Aubrey Baker, Emily Campbell, Lena Silavanh, David Ellison, Patti Wagner, Cailyn Sandoval, Eric Thomason, Obianuju Ukwuoma, Allison Durant	2021

## University of South Alabama Residency Program

Pharmacy Residents	
Name	Class Year
Devan Rockwell, PharmD, PGY-2 Ambulatory Care; Leah Croft, PharmD, PGY-1 Pharmacy Practice	2022
Medical Residents	
Jordan Vickers, MD; S. Gant Unfried, MD; Justin Cullifer, DO; Jordan Harrison, DO; Phat Tran, MD, Timberly Wilson, MD	2024

## LECTURES BY INVITATION

### International Presentations

1. Providing Pharmacy Care for the LGBTQIA+ Community. Kingston University. London, UK (2 hours) 2021- Present  
*This lecture consists of a comprehensive overview of considerations for providing care for the LGBTQIA+ Community. The lecture incorporates several case scenarios to encourage discussion and exploration of potential misconceptions or biases regarding the healthcare needs of the LGBTQIA+ community. The first iteration of this lecture began in February 2021 via remote learning and was first offered live in February 2023.*
2. Hormone Therapy for Gender Affirming Care. Kingston University. London, UK (2 hours) March 2021- February 2023  
*This lecture consists of an introduction to gender-affirming care and includes integrated patient case scenarios and active learning throughout. The first iteration of this lecture began in March 2021 via remote learning and was first offered live in February 2023.*
3. Ethical Considerations When Caring for the LGBTQIA+ Community. Kingston University. London, UK (2 hours) February 2022- February 2023



*This lecture consists of a flipped classroom modality which provides student pharmacists with pre-readings to direct students to evaluate health disparities in the LGBTQIA+ community and to explore the effects of internal and external stimuli on several health conditions. Students are presented with several controversial care scenarios, and they must work through the ethical considerations in each and understand how personal beliefs can affect patient care.*

4. Raising Diversity in Pharmacy Education to a Higher Ground. Lifelong Learning in Pharmacy 14<sup>th</sup> International Conference. Denver, CO. July 2023
5. Advancing the Scholarship of Teaching and Learning: International Approaches. Canadian Pharmacy Education and Research Conference. Quebec City, Quebec, Canada. June 2024

#### National Presentations

1. Implementing LGBTQIA+ Cultural Competence in the Pharmacy Curriculum. American Association of Colleges of Pharmacy Annual Meeting; Virtual. July 2021
2. Show Me the Money: Financial Sponsorship of Minoritized Trainees Transforms the Pharmacy Pipeline. 2022 AACP Annual Meeting; Grapevine, TX. July 2022
3. Prepping for the future: HIV PrEP Updates for Managed Care Professionals. 2022 Academy of Managed Care Pharmacy Nexus. National Harbor, MD. October 2022
4. LGBTQIA+ Health Disparities: Caring for the Invisible Population. 2023 American Pharmacists Association Annual Meeting PharmTalk Series. Phoenix, AZ. March 2023
5. Actionable Strategies in Your Role as a Pharmacist in Inclusive Patient Management and Respectful Care. CME Outfitters and CVS Health. Virtual. April 2023
6. Overcoming Barriers to PrEP Uptake: Pharmacist Perspectives. Clinical Care Options and the American Academy of HIV Medicine. Virtual. May 2023
7. From P1 to Practice: Preparing Faculty to Implement Meaningful Changes in LGBTQIA+ Education. American Association of Colleges of Pharmacy Annual Meeting. Denver, CO. July 2023
8. Integrating Diverse Patient Populations into Skills-Based Courses. American Association of Colleges of Pharmacy Annual Meeting. Aurora, CO. July 2023
9. Providing Options for PrEP Reengagement: Strategies to Support PrEP Persistence and Reengagement. Clinical Care Options. Virtual. December 2023
10. Finding your WHY for Enhancing EDI Efforts in Pharmacy Education. 2024 AACP EDI Institute. Virtual. January 2024

11. Implementing DEI: A focus on Precepting, Hiring, and Provision with Patient Care. ASHP Section of Ambulatory Care Practitioners Webinar. Virtual.	March 2024
12. Fostering Self-Determination: Contract Grading in Skills-Based Courses. AACP Annual Meeting. Boston, MA.	July 2024
13. Innovate, Educate, Elevate: The Faculty's Guide to Creative Scholarly Success. AACP Annual Meeting. Boston, MA.	July 2024
14. Integration of Artificial Intelligence within a Skills-Based Curriculum. AACP Annual Meeting. Boston, MA.	July 2024
<u>Regional/Local Presentations</u>	April 2017
1. Identification and management of patients who are at risk of secondary osteoporosis in a community pharmacy setting: evaluation of clinical and humanistic outcomes of community based MTM service. Southeastern Residency Conference. Athens, GA.	May 2020
2. The ABC's of CBD: A breakdown of cannabidiol and medical marijuana for practicing pharmacists. Auburn University Harrison College of Pharmacy. Mobile, AL.	July 2021
3. Medication Management of Type 2 Diabetes Mellitus. University of South Alabama College of Medicine, Department of Family Medicine Intern Orientation. Mobile, AL.	March 2022
4. Diversity, Equity, and Inclusion: Implementing Inclusion in the Pharmacy Curriculum. Northeastern Ohio Medical University College of Pharmacy, Rootstown, Ohio.	March 2022
5. What needs to happen to get your prescription filled safely? Auburn University Harrison College of Pharmacy and Alabama Department of Social Services. Mobile, AL.	October 2022
6. PrEParing For the Future: New and Upcoming Options for HIV PrEP Auburn University Harrison College of Pharmacy Live At Lunch CE. Virtual.	October 2022
7. Antibiotics and Antimicrobial Stewardship. Spring Hill College Division of Nursing; Mobile, AL.	May 2023
8. Mental Health Considerations for Sexual and Gender Minorities. Florida A&M University College of Pharmacy and Florida Blue. Virtual	June 2023
9. LGBTQ+ Patients: How can we serve with pride? University of Florida College of Pharmacy. Virtual.	October 2023

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| 10. Management of Type 2 Diabetes in Patients Living with HIV. CAN Community Health. Virtual   | December 2023 |
| 11. World AIDS Day: The Pharmacists Role in HIV/AIDS. University of Florida College of Pharmacy. Virtual.  | January 2024  |
| 12. Unscrambling the Alphabet Soup of LGBTQIA+: Foundations of Sexual and Gender Minority Health. iCARE Pharmacy Services Healthy Minds, Healthy Bodies: Men’s and Women’s Health Conference. Virtual.                             | February 2024 |
| 13. Multicultural Week Panel Discussion: The Personal Journeys of LGBTQ+ Healthcare Professionals. USF Health Shared Student Services. Tampa, FL.  | April 2024    |
| 14. Closing the gap: Addressing the intersectionality of racial/ethnic minorities and sexual/gender minorities in the provision of HIV treatment and prevention. Mid-Atlantic AIDS Education and Training Center Webinar. Virtual. |               |

Accepted Presentations

1. Bridging the Gap Part II: Enhancing Experiential Learning through Integration of Social Determinants of Health. ACCP Health Equity PRN. August 2024. Virtual
2. Academic Pharmacy: Getting “Jazzed Up” About This Career. ASHP Midyear Clinical Meeting. December 2024. New Orleans, LA.

**SCHOLARLY ACTIVITY**

A) Current Grants

N/A

B) Submitted/Past Grants

**Extramural Funding**

Title: A University-Pharmacy Partnership: Integrating Pharmacy Trainees to Expand Collaborative Practice Implementation.

Funding Source: NIH OAR RFA-MH-25-186

Amount Requested: \$407,280. Under Review.

Project PI: **Astle KN**, Turner D.

Date: April 2025- March 2027

Title: Environmental Assessment of LGBTQIA+ Equity and Inclusion in Colleges of Pharmacy

Funding Source: American Association of Colleges of Pharmacy New Investigator Award.

Amount: \$10,000. Not Funded.

Project PI: **Astle KN**

Investigators: Petrelli HMW. Wilby KJ

Date: March 2024- February 2025

Title: The use of immersive virtual reality in diversity and inclusion technology scenarios to assess changes in empathy and communication skills in pharmacy students' interaction with patients

Funding Source: Auburn University Office of Inclusion and Diversity

Amount: \$10,000. Not Funded.

Project PI: Chung AM

Investigators: **Astle KN**, Garza KB, Hawkins G, Allen J

Date: May 2023- April 2025

Title: Environmental Assessment of LGBTQIA+ Equity and Inclusion in Colleges of Pharmacy

Funding Source: American Association of Colleges of Pharmacy New Investigator Award.

Amount: \$10,000. Not Funded.

Project PI: **Astle KN**

Investigators: Petrelli HMW, Wilby KJ

Date: March 2023- February 2024

Title: Expanding Access: Implementing Collaborative Practice Agreements for HIV Pre-Exposure Prophylaxis in Alabama.

Funding Source: National Association of Chain Drug Stores.

Amount: \$20,000. Not funded.

Project PI: **Astle KN**

Investigators: Durham SH, Lloyd KB

Date: July 2022- June 2023

Title: The influence of pharmacies and pharmacists on healthcare avoidance behaviours of 2SLGBTQ+ patients.

Funding Source: Faculty of Health Research Development Grant, Dalhousie University, Halifax, Canada.

Amount: \$5,000 CAD. Funded.

Project PI: Wilby KJ

Investigators; Phan TC, **Astle KN**

Date: January 2022- December 2022

Title: Impact of directed health assessments for patients with diabetes in the age of COVID-19

Funding Source: Gulf States Health Policy Center

Amount: \$47,500. Funded.

Project PI: Archer S

Investigators: Kelley M, **Astle KN**, Hanks R

Date: May 2020- July 2020

Title: From exam to practice: a comparison of student pharmacist performance on standardized cases during practical examinations and in the community pharmacy setting

Funding Source: Association of Standardized Patient Educators

Amount: \$10,000. Not Funded.

Project PI: **Astle KN**

Investigators: Chung AM, Ford CR, Kleppinger EK

Date: November 2019

Title: From exam to practice: a comparison of student pharmacist performance on standardized cases during practical examinations and in the community pharmacy setting

Funding Source: American College of Clinical Pharmacy, Education and Training Practice and Research Network

Amount: \$750. Not Funded.

Project PI: **Astle KN**

Investigators: Chung AM, Ford CR, Kleppinger EK

Date: October 2019

Title: Identification and management of patients who are at risk of secondary osteoporosis in a community pharmacy setting: evaluation of clinical and humanistic outcomes of community-based MTM service

Funding Source: American Society of Health-Systems Pharmacists

Amount: \$5,000. Not Funded.

Project PI: **Astle KN**

Investigators: Gamston CE, Peden G, Westrick SC, Lloyd KB

Date: December 2016

Title: Identification and management of patients who are at risk of secondary osteoporosis in a community pharmacy setting: evaluation of clinical and humanistic outcomes of community based MTM service

Funding Source: American College of Clinical Pharmacy, Ambulatory Care Practice and Research Network

Amount: \$1,500. Not funded

Project PI: **Astle KN**

Investigators: Gamston CE, Peden G, Westrick SC, Lloyd KB

Date: October 2016.

### **Intramural Funding**

Title: The use of immersive virtual reality in diversity and inclusion technology scenarios to assess changes in empathy and communication skills in pharmacy students' interaction with patients

Funding Source: University of South Florida New Research Grant.

Amount: \$20,000. Not funded.

Project PI: **Astle KN**

Investigators: Tran BA, Chung AM, Garza KB, Hawkins G, Allen J

Date: May 2023- April 2025

Title: From exam to practice: a comparison of student pharmacist performance on standardized cases during practical examinations and in the community pharmacy setting

Funding Source: Auburn University Biggio Center for the Enhancement of Teaching and Learning Daniel F. Breeden Grant

Amount: \$4,000. Funded

Project PI: **Astle KN**

Investigators: Chung AM

Date: January 2020- December 2021

## Published Bibliography (H-Index: 5)

\*Student

+Resident/Fellow

### Peer-Reviewed

1. Hester EK, **Astle KN**. Dolutegravir-Rilpivirine, Dual Antiretroviral Therapy for the Treatment of HIV-1 Infection. *Annals of Pharmacotherapy*. 2019; 53(8):860-866.
2. Ford CR, **Astle KN**, Garza KB, Kleppinger EL. Exploring standardized persons' expectations for practice-readiness among student pharmacists. *Currents in Pharmacy Teaching and Learning*. 2021; 13(5):492-499
3. Ford CR, **Astle KN**, Kleppinger EL, Sewell MJ, Hutchison AM, Garza KB. Developing a self-assessment instrument to evaluate practice-readiness among student pharmacists. *New Directions for Teaching and Learning*. 2021; 168:133-145.
4. Ko CL, Abdul-Mutakabbir JC, **Astle KN**, Bandali A, Brown JE, Childs-Kean LM, Hirsch EB, Mordino J, Saunders IM, Brown BR. Brighter Horizons: The Necessity of Concentrated Sponsorship Targeted Toward Minoritized Pharmacy Students. *Journal of the American Pharmacists Association*. 2022; 62(3):701-705.
5. Mills AR, **Astle KN**, Frazier CC. "Affirming journey: narrative review and practice considerations on gender affirming care". *Journal of the American College of Clinical Pharmacy*. 2022; 5(7): 697-706.
6. Mills AR, **Astle KN**, Frazier CC. "A response to puberty blockers for gender dysphoric youth: lack of sound science". *Journal of the American College of Clinical Pharmacy*. 2022; 5(9):1008-1010.
7. **Astle KN**, Mills AR, Medlin CG. "Breaking The Ice: Creating and Maintaining an Affirming Practice Setting for LGBTQIA+ Pharmacy Trainees." *Journal of the American College of Clinical Pharmacy*. 2023; 6(1):43-8.
8. Villemure SE\*, **Astle KN**, Phan TC, Wilby KJ. "A Scoping Review of the Minority Stress Processes Experienced by Sexual and Gender Minority Patients in Pharmacy Settings: Implications for Healthcare Avoidance." *Journal of the American Pharmacists Association*. 2023;63(1):32-8.
9. Blakely ML, Chahine EB, Emmons RP, Gorman EF, **Astle KN**, Martello JL, Mattingly TJ, Nogid A, Pick A, Law AV. "ACCP Faculty Affairs Standing Committee Report of Strategies for Faculty Self-Advocacy and Promotion." *American Journal of Pharmaceutical Education*. 2023;87(8):100045.
10. **Astle KN**, Arya V, Blackburn H, Gahbauer A, Hirsch EB, Fravel M, Ko CL, Saunders IM, Abdul-Mutakabbir JC, Brown JE, Childs-Kean LM. "Academic Activism: An Avenue to Action." *American Journal of Pharmaceutical Education*. 2023; 87(6)100080

11. **Astle KN**, Hart LA, Holloway J, Medlin CG, Mills AR, Nardolillo JA, Phan T, Wilby KJ. "Born This Way: Intersecting LGBTQIA+ Personal Identities as Pharmacy Practitioners." *American Journal of Pharmaceutical Education*. 2023;87(12):100122.
12. Sofeso ST\*, Metitiri OM\*, Abdul-Mutakabbir JC, Childs-Kean LM, Ko CL, Brown BR, **Astle KN**, Bandali A, Mordino J, Brown JE, Saunders IM, Hirsch EB. "Racial disparities in pharmacy postgraduate residency match rates and beyond: Implications for clinical pharmacists." *Journal of the American College of Clinical Pharmacy*. 2023; 6(6)562-4.
13. Camara E\*, Safri A\*, Ko CL, Abdul-Mutakabbir JC, Bandali A, Brown BR, **Astle KN**, Childs-Kean LM, Hirsch EB, Mordino J, Saunders IM. "The Implications of Data Aggregation on Propagating Racial and Ethnic Disparities Within the Healthcare Landscape: Actionable Recommendations and Considerations for Pharmacists." *Journal of the American Pharmacists Association*. 2024;64(1):34-38.e1.
14. Phan TC, **Astle KN**, Mills AR, Medlin CG, Herman D. Implementation of Pharmacist-Centric Services for Sexual and Gender Minorities: A Multi-site Descriptive Report." *American Journal of Health-System Pharmacy*. 2024;81(8):316-322
15. Mills AR, **Astle KN**, Melin K. "From Ally to Accomplice: A Call to Action For LGBTQIA+ Health Equity." *American Journal of Health-System Pharmacy*. 2024;81(8):323-325
16. Morrison T+, Wright W\*, **Astle KN**, Abdul-Mutakabbir JC. "Exploring Intersectionality of Racism and Sexual/Gender Minority Health: Implications for the Pharmacy Profession." *American Journal of Health-System Pharmacy*. 2024;81(8):326-333
17. Mills AR, **Astle KN**, Gallegos Aragon K. "Narrative Review for Gender Affirming Care for Transgender and Gender Diverse Youth." *American Journal of Health-System Pharmacy*. E-pub ahead of print. 2024.

#### Books, Textbooks, Chapters

1. Kleppinger EL, **Astle KN**, Hutchinson AM, Ford CR. "Navigating Performance-Based Assessments in Unprecedented Times: Adaptations, Challenges, and Strategies." *Updating and Innovating Health Professions Education: Post-Pandemic Perspectives*. Medical Info Science Reference, IGI Global, Hershey, PA, 2021. pp. 139-161. ISBN13:9781799876236.
2. **Astle KN**. "Gender-Affirming Hormone Therapy for Transgender and Gender-Diverse Patients." *Pharmacotherapy Self-Assessment Program. 2023 Book 1: Endocrinology and Nephrology*. Pharmacotherapy Publishing Inc. Lenexa, KS. 2023.
3. **Astle KN**, Binkley A. "Navigating Approved PrEP Options for HIV Prevention: The Expanding Role of Pharmacists as Patient Educators and Advocates." *Pharmacy Times Continuing Education*. Pharmacy Times. MJH Life Sciences. Cranbury, NJ. 2023.
4. Mills AR, **Astle KN**. "Foundations of Sexual and Gender Minority Health." *DiPiro's Pharmacotherapy: A Pathophysiologic Approach*. 13<sup>th</sup> Edition. McGraw Hill. New York, New York. 2023.

## Invited Publications

1. **Astle KN**, Phan TC. "Addressing Stigma and Discrimination Against People Living with HIV." *Infectious Diseases Special Edition Review*. April 2023.

## Papers in Press

1. Moran V, Whitley H, Andrus M, **Astle KN**, Pillon D. "Measuring knowledge of diabetes and attitudes at a diabetes camp." Manuscript undergoing revisions for re-submission to *Journal of Nursing Education*.
2. Helmer AM, Smithgall SE, Rockwell D+, **Astle KN**. "Incorporating inhaled corticosteroids as part of reliever therapy for asthma management." Submitted to the *Journal of Family Practice*. Undergoing peer review.
3. Cole JD, Ruble MJ, **Astle KN**, Tabulov C, Singleton J, Sunjic KM. "Integration of Artificial Intelligence (AI) in Skills-Based Pharmacy Courses." *Pharmacy Education*. Accepted for Publication.
4. Sunjic KM, **Astle KN**, Cole JD, Ruble MJ, Tabulov C, Vascimini A, Singleton J. "Identifying Essential Skills for Pharmacy Students in Florida: A Modified Delphi Study." *American Journal of Pharmaceutical Education*. In development.
5. **Astle KN**, Coon S, Sunjic KM, Cole JD, Ruble MJ, Cornelio C, Serag-Bolos E, Shaeer KM, Singleton J, Tabulov C, White R. "Implementation of Labor-Based Contract Grading in a Pharmaceutical Skills Course Series." *New Directions in Teaching and Learning*. Undergoing Peer Review.
6. **Astle KN**, Mills AR, Gallegos-Aragon K. "Care of the Transgender Patient." HIV Pharmacotherapy: Clinical Approaches and Application, 2<sup>nd</sup> Edition. American Society of Health-Systems Pharmacists, Inc. In Development
7. Peddi A, **Astle KN**, Hong, L, Riley BW, Ruble MJ, Shah DN, Vandervoort L, Knockel L. "Status of Professional Identity Formation in Pharmacy Programs." Pending Submission to journal.

## **Abstracts**

\*Student

+Resident/Fellow

### International Poster Presentations

1. Wilby KJ, Villemure S, Phan TC, **Astle KN**. "A Scoping Review of the Minority Stress Processes Experienced by LGBTQ+ Patients in Pharmacy Settings." Presented at 80<sup>th</sup> FIP World Congress of Pharmacy and Pharmaceutical Sciences; Seville, Spain; September 2022 September 2022
2. **Astle KN**, Pfleeger J, Chou E, Chung AM. "MeRIT Project Final Results: Evaluation of preventative screening services provided to October 2022



LGBTQ+ patients in family medicine clinics in the Deep South.”  
Presented at ACCP Global Conference; San Francisco, CA

### National Poster Presentations

1. Lam B, Iwamura T, **Astle KN**, Berman M, Desiongco J. “Integrating Pharmacy Services through medication reconciliation in a student-run free medical clinic.” American Society of Health-Systems Pharmacists. Midyear Clinical Meeting. New Orleans, LA. December 2015
2. Cunio J, **Astle KN**, Dietrich E. “Implementation of a comprehensive tobacco cessation protocol in a student-run free clinic.” American Society of Health-Systems Pharmacists Midyear Clinical Meeting; New Orleans, LA. December 2015
3. **Astle KN**, Gamston CE, Peden G, Westrick SC, Lloyd KB. “Identification and management of patients who are at risk of secondary osteoporosis in a community pharmacy setting: evaluation of clinical and humanistic outcomes of community based MTM service.” American Society of Health-Systems Pharmacists Midyear Clinical Meeting; Las Vegas, NV. December 2016
4. Sewell MJ, Kleppinger EL, **Astle KN**, Hutchison AM, Garza KB, Ford CR. “Development of a self-assessment instrument to evaluate qualities and behaviors associated with pharmacist practice-readiness”. American Association of Colleges of Pharmacy Annual Meeting. Virtual. July 2020
5. **Astle KN**, Stringer KL\*, Hohmann N. “Impact of Directed Health Assessment for Patients with Diabetes in the Age of COVID-19”. American College of Clinical Pharmacy Annual Meeting. Virtual. October 2020
6. **Astle KN**. “Evaluation of LGBTQ+ Cultural Competence Among Student Pharmacists”. Presented at American Association of Colleges of Pharmacy Annual Meeting. Virtual. July 2021
7. **Astle KN**, Pfleeger J, Chou E, Chung AM. “MeRIT Project: Evaluation of preventative screening services provided to LGBTQ+ patients in family medicine clinics in the Deep South.” American College of Clinical Pharmacy Annual Meeting. Virtual. October 2021
8. Rockwell D.+ , Smithgall SE. **Astle KN**. “Combination sodium-glucose linked cotransporter-2 inhibitor and glucagon-like peptide-1 receptor agonist in patients with type 2 diabetes and elevated glycated hemoglobin.” American Society of Health-Systems Pharmacists Midyear Clinical Meeting; Virtual. December 2021
9. **Astle KN**, Pfleeger J, Chou E, Chung AM. “MeRIT Project Preliminary Results: Evaluation of preventative screening services May 2022

provided to LGBTQ+ patients in family medicine clinics in the Deep South.” American College of Clinical Pharmacy Virtual Poster Symposium; Virtual.

10. **Astle KN**, Clark DE\*, Bellomy ZE\*, Hackney EE\*. Evaluation of LGBTQ+ Cultural Competence Among Student Pharmacists. American Association of Colleges of Pharmacy Annual Meeting; Grapevine, TX July 2022
11. Wescovich RJ\*, Trovinger PM\*, **Astle KN**. “Assessing control of asthma and chronic obstructive pulmonary disease in a charitable pharmacy.” American Society of Health-Systems Pharmacists Midyear Clinical Meeting; Las Vegas, NV. December 2022
12. Cole JD, Ruble MJ, **Astle KN**, Tabulov CE, Singleton J, Sunjic KM. “Integration of Artificial Intelligence (AI) in Skills-Based Pharmacy Courses.” American Association of Colleges of Pharmacy Annual Meeting; Boston, MA. July 2024
13. Singleton J, Sunjic KM, **Astle KN**, Cole JD, Tabulov CE, Ruble MJ. “Identifying Essential Skills for Pharmacy Students in Florida: A Modified Delphi Study.” American Association of Colleges of Pharmacy Annual Meeting; Boston, MA. July 2024

#### Regional/Local Poster Presentations

1. Wescovich RJ\*. Trovinger PM\*. **Astle KN**. “Assessing control of asthma and chronic obstructive pulmonary disease in a charitable pharmacy.” Alabama Society of Health-Systems Pharmacists Annual Meeting. Virtual. November 2021

#### **Audio and Video Publications**

##### Webcast Presentations

1. Arya VA, **Astle KN**, Phan TC, Wilby KJ. Integrating Letters into the Language: Strategies for LGBTQIA+ Health Education. [https://www.youtube.com/watch?v=XOAhAnKL3gc&ab\\_channel=RxSHARE](https://www.youtube.com/watch?v=XOAhAnKL3gc&ab_channel=RxSHARE)

##### Media Interviews

1. Kamin K. (2020, Nov 10<sup>th</sup>). East Alabama Doctors Prep for COVID-19 Vaccine. WTVM ABC News 9. <https://www.wtvm.com/2020/11/10/east-alabama-doctors-prep-covid-vaccine/>
2. Shaw G. (2020, Dec 3<sup>rd</sup>). Pharmacists Help Slow Pandemic’s Spread in Underserved Areas. Pharmacy Practice News. <https://www.pharmacypracticenews.com/Article/PrintArticle?articleID=61305>
3. Klein H. (2022, Nov 26<sup>th</sup>). Long-Acting Injectables are a Game Changer for Adherence. American Journal of Managed Care. <https://www.ajmc.com/view/dr-kevin-astle-long-acting-injectables-are-a-game-changer-for-adherence>

4. Rosenthal M. (2022, Dec 12<sup>th</sup>). Breaking Barriers to PrEP Use. <https://www.idse.net/PrintArticle/68950>
5. Baggeley K. (2023, January 26<sup>th</sup>). Gender Affirming Hormone Therapy Associated with Improved Mental Health in Transgender and Gender-Diverse Youth. Specialty Pharmacy Continuum. [https://www.specialtypharmacycontinuum.com/Online-First/Article/01-23/Gender-Affirming-Hormones-Associated-With-Improved-Mental-Health-in-Transgender-and-Nonbinary-Youth/69273?utm\\_source=Social&utm\\_medium=twitter&utm\\_campaign=0126mht](https://www.specialtypharmacycontinuum.com/Online-First/Article/01-23/Gender-Affirming-Hormones-Associated-With-Improved-Mental-Health-in-Transgender-and-Nonbinary-Youth/69273?utm_source=Social&utm_medium=twitter&utm_campaign=0126mht)

#### Podcast Appearances

1. **Astle KN**, Abdul-Mutakabbir JC, Mordino J, Ko C, Pruitt J. "Casting A Guiding Light on Equitable Pharmacy Residency Recruitment." Brighter Horizons Podcast.
2. **Astle KN**, Mills AR, Vernon V. Contributor. "Addressing Healthcare for the LGBTQIA+ Community." Pharmacy Quality Services Quality Corner Show Podcast. Episode 130.
3. **Astle KN**, Wilby KJ. Contributor. "Improving Healthcare for LGBTQ+ Patients and Affirming Environments For LGBTQ+ Pharmacists." Unscripted Podcast. Episode 38.
4. **Astle KN**, Wilby KJ. Contributor "Improving Patient Conversations about Sexual and Gender Health." SexPharmD Podcast.
5. Abdul-Mutakkabir JC, **Astle KN**. Contributor. "Precepting Diverse Learning Spaces: Part 1." Precepting Responsibly Podcast.
6. Abdul-Mutakkabir JC, **Astle KN**. Contributor. "Precepting Diverse Learning Spaces: Part 2." Precepting Responsibly Podcast.
7. **Astle KN**, Phan TC. "OUT, LOUD & PROUD Series: RX For Success-Creating A Safe Environment at School & at Work". Conscious Pharmacist Podcast.
8. Cummins S, **Astle KN**. "Discussing DEI, Transparency, and Advocacy in Pharmacy". Pharm So Hard Podcast. Episode 108.
9. **Astle KN**, Cocahoba J, Mills AR. "HIV PrEP and PEP Certificate Training Program: Providing Culturally Competent Communication." American Pharmacists Association.
10. **Astle KN**, Mills AR. "HIV PrEP and PEP Certificate Training Program: Identifying Barriers to HIV PrEP and PEP." American Pharmacists Association.
11. **Astle KN**, Mills AR. "HIV PrEP and PEP Certificate Training Program: Removing Stigma from HIV PrEP and PEP." American Pharmacists Association.
12. **Astle KN**, Mills AR, Melin K. "From Ally to Accomplice: A Call to action to advance LGBTQIA+ health equity." American Society of Health-Systems Pharmacists.

## **SERVICE**

### **INTERNATIONAL ORGANIZATION SERVICE**

#### **International Pharmaceutical Federation (FIP)**

2026 Pride and Progress in Pharmacy Conference Planning Committee

2023- Present

#### **Pharmacists for Sexual and Gender Health Advocacy, Reform, and Equity (RxSHARE)**

Founding Member

2021- Present  
Vice Chair, July 2022- June 2023  
Chair, July 2023- June 2024

### **NATIONAL ORGANIZATION SERVICE**

#### **Department of Health and Human Services**

Panel on the Prevention and Treatment of Opportunistic Infections in HIV-Exposed and HIV-Infected Children  
*Scientific/Clinical Member*

2024-2028

#### **American College of Clinical Pharmacy**

Ambulatory Care Practice and Research Network  
*Networking Committee*  
*Education and Programming Committee*

2017-2018, 2020-2021  
2016-2022

Education and Training Practice and Research Network  
*Communications Committee*  
*Networking Committee*

Chair, 2020-2021  
2019-2020, Vice Chair 2022-2023

#### HIV Practice and Research Network

*Chair-Elect*  
*Secretary/Treasurer*  
*Education and Programming Committee*  
*Research Committee*  
*Advocacy Committee*  
*Newsletter and Social Media Committee*

2024- 2025  
2023- 2024  
2020-2021  
2022-2023  
Vice Chair, 2022-2023  
Chair, 2023-2024

#### Health Equity Practice and Research Network

*Sustainability Committee*  
*Trainee Committee*

2021-2022  
Vice Chair, 2022-2023

#### **American Association of Colleges of Pharmacy**

House of Delegates  
*Faculty Delegate*  
*Alternate Faculty Delegate*

2023- Present  
2022-2023

#### Council of Faculties

*Faculty Affairs Committee*  
*Rules and Resolutions Committee*

2020- 2021  
2021- 2022

#### Laboratory Instructors SIG

<i>Professional Identity Formation Committee</i>	2022-Present
American Journal of Pharmaceutical Education <i>Reviewer Mentoring Program Steering Committee</i>	July 2023- Present
<b>American Pharmacists Association</b> Chapter Advisor	2019- Present
Academy of Pharmacy Practice and Management <i>Education Committee</i>	June 2023- Present
<b>PharmGradWishList</b> Founding Member and Leadership Team Member	2021- Present
<b>Journal Editorial Advisory Board</b> <i>Journal of the American Pharmacists Association</i> <i>Pharmacy Times Health Systems Edition</i> <i>American Journal of Pharmaceutical Education</i> <i>The Journal of Queer and Trans Studies in Education</i>	March 2023- Present September 2023- Present June 2024- Present June 2024- Present
<b>Journal Guest Editor</b> Special Issue: Sexual and Gender Minority Health <i>American Journal of Health-Systems Pharmacy</i>	Volume: 81 Issue: 8 April 2024
<b>Journal Peer Reviewer</b> <i>Currents in Pharmacy Teaching and Learning</i> <i>Annals of Pharmacotherapy</i> <i>Journal of Pharmacy Technology</i> <i>Journal of the American Pharmacists Association</i> <i>American Journal of Pharmaceutical Education</i> <i>Journal of the American College of Clinical Pharmacy</i> <i>American Journal of Health-Systems Pharmacy</i> <i>iForumRx</i> <i>PLOS: Mental Health</i>	
<b>STATE ORGANIZATION SERVICE</b> <b>Florida Society of Health-System Pharmacists</b> <i>Diversity, Equity, and Inclusion Committee</i>	2023- Present
<b>Alabama Society of Health-System Pharmacists</b> <b>Bay Area Health-System Pharmacist Society</b> <i>Secretary</i>	2021- 2022
<b>Alabama Pharmacy Association</b> <i>Education Committee</i> <i>Membership Committee</i>	Chair, 2019-2020; 2018-2021 2019-2021
<b>LOCAL ORGANIZATION SERVICE</b>	

<b>University of South Florida</b> <i>Committee on Issues of Sexual Orientation and Gender Identity</i>	January 2023- Present
<b>University of South Florida Taneja College of Pharmacy</b> <i>Curriculum Committee</i> Vice Chair Chair	July 2022- Present September 2023- December 2023 January 2024- Present
<b>Auburn University</b> <i>Insurance and Benefits Committee</i>	2020- 2022
<b>Auburn University Harrison College of Pharmacy</b> <i>Council for Diversity, Equity, and Inclusion</i> <i>Professional Education Committee: Experiential Education</i> <i>Honors and Awards Committee</i> <i>Clinical Services Advisory Committee</i>	2020- 2022 2017-2021 2019-2022 2016-2017
<b><u>CAREER AND PROFESSIONAL DEVELOPMENT</u></b>	
<b>Pharmacy-Based Immunization Certificate Training Program</b> <b>Trainer</b> American Pharmacists Association	March 2018
<b>Teaching and Learning Academy</b> American College of Clinical Pharmacy	October 2019- Present
<b>Delivering and Implementing Medication Therapy</b> <b>Management Services Certificate Training Program Trainer</b> American Pharmacists Association	November 2020
<b>Mentored Research Investigator Training (MeRIT)</b> American College of Clinical Pharmacy	June 2021- October 2022
<b>Student Affairs Apprenticeship</b> University of South Florida Taneja College of Pharmacy	January 2023- Present
<b>ACCP Professional Leadership Development Program</b> American College of Clinical Pharmacy	November 2023- Present