

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

Curriculum Vitae

CONTACT INFORMATION

Cell Phone: (727) 410-1824

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ACADEMIC APPOINTMENT

Assistant Professor

July 2022- Present

University of South Florida Taneja College of Pharmacy

Adjunct Assistant Professor

July 2022- Present

University of South Florida College of Medicine

EDUCATION AND PROFESSIONAL TRAINING

Mentored Research Investigator Training (MeRIT)

June 2021- Present

American College of Clinical Pharmacy

PGY-1 Ambulatory Care Pharmacy Residency

July 2016- June 2017

Auburn University Pharmacy Health Services

Program Director: P. David Brackett, PharmD, BCPS

Doctor of Pharmacy

August 2012- May 2016

University of Florida College of Pharmacy

Gainesville, FL

PROFESSIONAL EXPERIENCE

Assistant Professor

July 2022- Present

University of South Florida Taneja College of Pharmacy

Clinical Pharmacist

May 2021- June 2022

University of South Alabama Family Medicine Clinic

Assistant Clinical Professor

June 2019- June 2022

Auburn University Harrison College of Pharmacy: Mobile, AL

Department of Pharmacy Practice

Curricular Coordinator

January 2019- June 2019

Auburn University Harrison College of Pharmacy: Mobile, AL

Instructor

October 2017-December 2018

Auburn University Harrison College of Pharmacy: Mobile, AL

Adjunct Clinical Faculty

July 2016- June 2017

Auburn University Harrison College of Pharmacy

Updated April 2022

TEACHING EXPERIENCE**AUBURN UNIVERSITY HARRISON COLLEGE OF PHARMACY****Elective Course Coordinator**

PYPD 9150 – Providing Pharmacy Care for the LGBTQ Community	Fall 2020- Present
PYPD 9976 - Development and Implementation of MTM Services	Spring 2021- Present
PYPD 9980- Pharmacy Research	Fall 2021- Present

Content Expert

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

Skills Lab Coordinator

Collaborated with content experts to develop and implement skills labs and skills-based assessments for the P2 year of the PharmD Curriculum. Integrated innovative health technology platforms to simulate a variety of real world practice settings.

PYPD 9240- Integrated Learning Experience 5 <i>Non-sterile compounding, blood pressure measurement, self-monitored blood glucose, inhaler technique, shared decision making</i>	Fall 2019- Fall 2021
PYPD 9250- Integrated Learning Experience 6 <i>Sterile and non-sterile compounding, dyslipidemia, insulin administration</i>	Fall 2019- Fall 2020
PYPD 9260- Integrated Learning Experience 7 <i>Non-sterile compounding, HIV, cough/cold patient assessment</i>	Spring 2020- Spring 2021
PYPD 9270- Integrated Learning Experience 8 <i>Non-sterile compounding, evidence-based medicine</i>	Spring 2020- Spring 2021

Lab Facilitator

Served as the lab facilitator for the Mobile Campus. Collaborated with content experts and skills lab coordinators to ensure equitable experience in skills labs between the Auburn and Mobile campuses.

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

Updated April 2022

Experiential Education

PYDI 9640 Advanced Pharmacy Practice Experience (APPE)

November 2021- Present

Ambulatory Care/Primary Care

Five-week clinical rotation in primary care within the USA Family Medicine Clinic. Learning experiences developed include the completion of patient care activities, journal club presentation, clinical education poster development, and patient presentations. Student pharmacists primarily focus on the treatment of chronic disease states such as diabetes, hypertension, obesity, and the treatment and prevention of HIV infection. Learning experience for 10 student pharmacists each year

PYPD 9600 Advanced Pharmacy Practice Experience (APPE) Elective

May 2020- February 2021

Evidence-Based Medicine (EBM)

Developed a remote EBM rotation in response to the COVID-19 global pandemic. Elements of this APPE included the completion of a literature review focused on a disease state or newly approved medication, journal analysis regarding one of the key clinical trials associated with the topic, and the development of a review manuscript suitable for submission for publication. Preceptor for 9 student pharmacists during the 2020-2021 academic year.

PYPD 9100 Pharmacy Practice Experience (PPE)

August 2017- May 2019

Served as a mentor and preceptor for the community-based introductory pharmacy practice experience (IPPE). Mentored a total of 6 P1-P3 students each semester.

UNIVERSITY OF SOUTH ALABAMA PGY-1 PHARMACY PRACTICE RESIDENCY

Clinical Preceptor; Ambulatory Care Rotation

2021- Present

Required longitudinal 12-week rotation in ambulatory care at the University of South Alabama Family Medicine Clinic.

1 resident: August-November 2021

AMERICAN ACADEMY OF HIV MEDICINE**Sexual Health Expert Curriculum**

October 2020- Present

Course 1: Communicating with Patients

*Module 4- Universal Precautions *Module Leader*

Module 8- Internalized or Implicit Bias

Module 9- Motivational Interviewing to affect behavior change

Course 2: Sexually Transmitted Infections

*Module 2- Gonorrhea *Module Leader*

SERVICE**Auburn University Service**

Insurance and Benefits Committee

2020- Present

Auburn University Harrison College of Pharmacy Service

<i>Council for Diversity, Equity, and Inclusion</i>	2020- Present
<i>Professional Education Committee: Experiential Education</i>	2018- 20
<i>Honors and Awards Committee</i>	2019, 22
<i>Clinical Services Advisory Committee</i>	2016- 17

State Organization Service**Alabama Society of Health-System Pharmacists****Bay Area Health-System Pharmacist Society**

Secretary	2021-22
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Alabama Pharmacy Association

<i>Education Committee</i>	Chair- 2019-20, 2018-2021
<i>Membership Committee</i>	2018-2021

National Organization Service**American College of Clinical Pharmacy**

Ambulatory Care Practice and Research Network

<i>Networking Committee</i>	2017-18, 2020-21
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<i>Education and Programming Committee</i>	2016-17, 2018-20, 2021-22
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Education and Training Practice and Research Network

<i>Communications Committee</i>	Chair, 2020-21
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<i>Networking Committee</i>	2019-20
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HIV Practice and Research Network

<i>Education and Programming Committee</i>	2020-21
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Health Equity Practice and Research Network

<i>Sustainability Committee</i>	2021-22
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American Association of Colleges of Pharmacy

Council of Faculties

<i>Faculty Affairs Committee</i>	2020- 21
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<i>Rules and Resolutions Committee</i>	2021- 22
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PRESENTATIONS

*Student pharmacist

+ Resident

International Invited Presentations

1. Ethical considerations with providing care for the LGBTQ+ Community. Kingston University, London, UK. March 2022.
2. Hormone therapy for gender-affirming care. Kingston University London, UK. February 2022.
3. Providing Pharmacy Care for the LGBTQ+ Community. Kingston University, London, UK. February 2022.
4. Hormone therapy for gender-affirming care. Kingston University London, UK. March 2021.
5. Providing Pharmacy Care for the LGBTQ+ Community. Kingston University, London, UK. February 2021.

Local Invited Presentations

1. What needs to happen to get your prescription filled safely? Auburn University Harrison College of Pharmacy and Alabama Department of Social Services. Mobile, AL. March 2022.
2. Diversity, Equity, and Inclusion: Implementing Inclusion in the Pharmacy Curriculum. Northeastern Ohio Medical University College of Pharmacy, Rootstown, Ohio. March 2022.

National Presentations

1. **Astle KN**, Childs-Kean LM. Show Me the Money: Financial Sponsorship of Minoritized Trainees Transforms the Pharmacy Pipeline. 2022 AACP Annual Meeting; Grapevine, TX; July 2022

National Poster Presentations

1. **Astle KN**, Clark DE*, Bellomy ZE*, Hackney EE*. Evaluation of LGBTQ+ Cultural Competence Among Student Pharmacists. Presented at the 2022 AACP Annual Meeting; Grapevine, TX; July 2022.
2. **Astle KN**, Pfleeger J, Chou E, Chung AM. "MeRIT Project Preliminary Results: Evaluation of preventative screening services provided to LGBTQ+ patients in family medicine clinics in the Deep South." Presented at ACCP Virtual Poster Symposium; May 2022; Virtual Poster
3. 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." Presented at ASHP Midyear Clinical Meeting; December 2021; Virtual Poster
4. **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." Presented at ACCP Annual Meeting; October 2021; Virtual Poster
5. **Astle KN**. "Evaluation of LGBTQ+ Cultural Competence Among Student Pharmacists". Presented at AACP Annual Meeting; July 2021; Virtual Poster
6. **Astle KN**, Stringer KL*, Hohmann N. "Impact of Directed Health Assessment for Patients with Diabetes in the Age of COVID-19". Presented at the ACCP Annual Meeting; October 2020; Virtual Poster
7. 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". Presented at AACP Annual Meeting; July 2020; Virtual Poster
8. **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." Presented at: ASHP Midyear Clinical Meeting; December 2016; Las Vegas, NV
9. Cunio J, **Astle KN**, Dietrich E. "Implementation of a comprehensive tobacco cessation protocol in a student-run free clinic." Presented at: ASHP Midyear Clinical Meeting; 2015; New Orleans, LA and Society of Student Run Free Clinics Annual Meeting; February 2016; Phoenix, AZ

10. Lam B, Iwamura T, **Astle KN**, Berman M, Desiongco J. "Integrating Pharmacy Services through medication reconciliation in a student-run free medical clinic." Presented at: ASHP Midyear Clinical Meeting; December 2015; New Orleans, LA

Regional/Local Presentations

1. **Astle KN**. Medication Management of Type 2 Diabetes Mellitus. University of South Alabama College of Medicine, Department of Family Medicine Intern Orientation. July 2021; Mobile, AL.
2. **Astle KN**. The ABC's of CBD: A breakdown of cannabidiol and medical marijuana for practicing pharmacists. Auburn University Harrison School of Pharmacy Alumni Reunion CE. May 2020; Mobile, AL
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." Presented at: Southeastern Residency Conference; April 2017; Athens, GA

Regional/Local Poster Presentations

1. Wescovich RJ*. Trovinger PM*. **Astle KN**. "Assessing control of asthma and chronic obstructive pulmonary disease in a charitable pharmacy." Presented at: ALSHP Annual Meeting; November 2021. Virtual Poster

Facilitator/Moderator

1. **Astle KN**. "Implementing LGBTQ+ Cultural Competence in the Pharmacy Curriculum". Roundtable Session at AACP Annual Meeting; July 2021; Virtual*

SCHOLARSHIP AND RESEARCH

Extramural Funding

1. 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
2. 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 T, **Astle KN**
Date: January 2022- December 2022
3. 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

4. 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
5. 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
6. 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
7. 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
Project PI: **Astle KN**
Investigators: Gamston CE, Peden G, Westrick SC, Lloyd KB
Date: October 2016.

Intramural Funding

1. 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

Peer-reviewed publications

1. 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 March. e-Pub ahead of print.

2. 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 March. e-Pub ahead of Print.
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 Dec;168:133-145.
4. 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 May; 13(5):492-499
5. Hester EK, **Astle KN**. Dolutegravir-Rilpivirine, Dual Antiretroviral Therapy for the Treatment of HIV-1 Infection. *Annals of Pharmacotherapy*. 2019 Aug; 53(8):860-866.

Book 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*. IGI Global. October 2021.

Research (In Progress)

1. **Astle KN**, Steil L*, Gayle B*. Evaluating attitudes, behaviors, and clinical knowledge of HIV pre-exposure prophylaxis among licensed pharmacists. August 2021- Present
2. **Astle KN**, Pfleeger J, Chou E. Evaluation of preventative screening services provided to LGBTQ+ patients in family medicine clinics in the Deep South. June 2021- Present.
3. Archer S, Kelley M, **Astle KN**, Hanks R. Impact of directed health assessments for patients with diabetes in the age of COVID-19. June 2020.
4. Whitley H, Moran V, Andrus M, **Astle K**. Measuring knowledge of diabetes and attitudes at a diabetes camp. Manuscript in development. July 2019- Present.

HONORS AND AWARDS

Equality Exemplar Auburn University Harrison College of Pharmacy	Spring 2022
Rho Chi Pharmacy Honor Society Zeta Chapter, Auburn University Harrison College of Pharmacy	Spring 2022
Faculty Recognition Program- Sustained Commitment Auburn University Harrison College of Pharmacy	Spring 2021
Continuing Education Presenter of the Year Auburn University Harrison College of Pharmacy	March 2021
Outstanding Distance Learning Preceptor Auburn University Harrison College of Pharmacy	March 2021

Outstanding Reviewer Journal of the American Pharmacists Association	March 2021
Faculty Recognition Program- Collaboration and Integration Auburn University Harrison College of Pharmacy	Fall 2020
Young Alumni Leader of the Year, 2018-2019 University of Florida Alumni Association	September 2019
Practice Ready Curriculum Curricular Star Award Auburn University Harrison College of Pharmacy	May 2019
Student Community Engaged Service Award American Association of Colleges of Pharmacy	March 2016
Dean's Honor Roll University of Florida College of Pharmacy	2015-2016
<u>COMMUNITY SERVICE</u>	
Ozanam Charitable Pharmacy Member, Board of Directors	November 2021- Present
Camp Seale Harris/Southeastern Diabetes Education Services Clinical Pharmacist Member, Board of Directors	July 2019- Present August 2021- Present
University of South Alabama Student-Run Free Clinic Pharmacy Preceptor Executive Director of Operations	January 2018- Present August 2021- Present
<u>AFFILIATIONS AND MEMBERSHIPS</u>	
American Academy of HIV Medicine	January 2019- Present
American Pharmacists Association	July 2016- Present
American College of Clinical Pharmacy	July 2016- Present
American Association of Colleges of Pharmacy	December 2015- Present
American Society of Health-System Pharmacists	July 2014- December 2020
Alabama Pharmacists Association	July 2016- Present
Alabama Society of Health System Pharmacists	June 2021- Present

LICENSES AND CERTIFICATIONS

Registered Pharmacist License # 19316 Alabama Board of Pharmacy	June 2016- Present
Registered Pharmacist License # PS55310 Florida Board of Pharmacy	August 2016- Present
Registered Pharmacist License # 27633 North Carolina Board of Pharmacy	March 2018- December 2021
Certified Diabetes Care and Education Specialist (CDCES) Credential # 32200148 Certification Board for Diabetes Care and Education	March 2022- Present Recertification in 2026
Board Certified Ambulatory Care Pharmacist (BCACP) Credential # 6153534 Board of Pharmacy Specialties Board Certified Pharmacotherapy Specialist (BCPS) Credential # 3156837 Board of Pharmacy Specialties	December 2021- Present Recertification in 2028 July 2018- Present Recertification in 2025
HIV Pharmacist Certification (AAHIVP) Credential # 105740 American Academy of HIV Medicine	November 2016- Present Recertification in 2023
Residency Teaching and Learning Certificate Auburn University Harrison School of Pharmacy	June 2017
Delivering Medication Therapy Management Services Certification *Certified to teach course to pharmacists and student pharmacists American Pharmacists Association	March 2017- Present
Phlebotomy Certification Auburn University Laboratory Science and Medical Laboratory Science	August 2016- Present
Health Watch Biometric Screening Certification Auburn University Pharmacy Health Services	July 2016- Present
Pharmacy-Based Immunization Delivery Certification *Certified to teach course to pharmacists and student pharmacists American Pharmacists Association	April 2016- Present
Tobacco Cessation Facilitator Area Health Education Center (AHEC) of Alachua County, FL	May 2015- 2016

Basic Life Support CPR and First Aid
American Heart Association

May 2008- Present