

Bethany R. Shoulders

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EDUCATION

2014 Doctor of Pharmacy with High Honors

University of Tennessee Health Science Center (UTHSC) College of Pharmacy

Memphis/Knoxville, TN

2010 B.S. in Biochemistry

Freed-Hardeman University

Summa cum laude, honors diploma

Henderson, TN

EXPERIENCE

Clinical Associate Professor

July 2016 - present

Department of Pharmacotherapy and Translational Research

University of Florida (UF) College of Pharmacy

Gainesville/Jacksonville/Orlando, FL

PGY2 Critical Care Pharmacy Resident

July 2015 – June 2016

University of Pittsburgh Medical Center – Presbyterian Hospital, Pittsburgh, PA

PGY1 Pharmacy Practice Resident

June 2014 – June 2015

The Johns Hopkins Hospital, Baltimore, MD

SELECTED ORAL PRESENTATIONS

Adult Critical Care Pharmacy Practice: Surgical/Trauma ICU

March 2023

Medi-Gators Virtual Shadowing, Virtual Lecture

Audience: Undergraduate and Health Professions Student in Florida

SCCM Recap Podcast – “Adjustments in Pharmacotherapy with Severe Obesity”

February 2023

Pharmacy to Dose Podcase, hosted by Nick Peters

Barriers and Solutions in Clinical Implementation

January 2023

Society of Critical Care Medicine (SCCM) Annual Congress, San Francisco, CA

CE accredited

Adjustments in Pharmacotherapy in Critically Ill Patients with Severe Obesity

January 2023

SCCM Annual Congress, San Francisco, CA

CE accredited

Cultivating Clinicians in an Adult Critical Care Environment PharmTalks, UF College of Pharmacy, Gainesville, FL	January 2023
Bayesian to Bedside: Making a Case for Personalized Beta-Lactam Dosing in Critical Illness Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL <i>CE accredited</i>	August 2022
Practical Considerations for Bedside Implementation of Beta-Lactam Therapeutic Drug Monitoring SCCM Annual Congress, Virtual Meeting <i>Bonus CE Content</i>	April 2022
Antimicrobial Stewardship in the ICU: Continuing Challenges and Need for Vigilance Critical Care Medicine Multidisciplinary Grand Rounds UF Health Shands Hospital, Gainesville, FL <i>CE accredited</i>	March 2021
Pharmacy Resident Research: Common Pitfalls and Study Design Improvements Virtual Preceptor Development, Co-presenter UF Health Shands Hospital, Gainesville, FL	February 2021
Pharmacokinetic and Pharmacodynamics (PK/PD) in the ICU: A Guide to Precision Dosing/Prescribing Virtual Lecture – Surgical/Anesthesia Critical Care Fellows UF Health Shands Hospital, Gainesville, FL	February 2021
Social Media and the Pharmacy Learner Virtual Preceptor Development, Co-presenter UF Health Shands Hospital, Gainesville, FL	January 2021
Letters of Recommendation and Virtual Interviewing Virtual Preceptor Development, Co-presenter UF Health Shands Hospital, Gainesville, FL	December 2020

COVID-19 Associated Coagulopathy (CAC)

May 2020

UF COVID Online Site
 UF College of Pharmacy
ACPE accredited

Pharmacologic Considerations in Obstetric Emergencies

June 2018

Department of Pharmacy Grand Rounds
 UF Health Shands Hospital, Gainesville, FL
ACPE accredited

Updates in Venous Thromboembolism Prophylaxis

November 2017

FSHP North Central Chapter Meeting
 UF College of Pharmacy, Gainesville, FL
ACPE accredited

CLINICAL PROJECTS/GRANTS

“Mult-Omics Characterization of Dexmedetomidine Response in ICU Patients.”

Awarded October 2019

UF College of Pharmacy PROSPER Research Enhancement Awards
 Clinical Faculty Research Seed Award, Principal Investigator (\$8,000)

“Metabolic and genomic signatures associated with delirium in critically ill and injured patients.”

Awarded February 2018

UF Health Shands Quasi Endowment Grant, Co-investigator (\$29,388)

ABSTRACTS AND POSTER PRESENTATIONS

Feild C, Alexander KM, Allen J, **Shoulders BR**, Curtis S, Vandervoort L, Soucie J. Exposure of Pharmacy Students to Medically Underserved or Low Socioeconomic Status in Critical Care. *Crit Care Med* 2024;52(1):S504.

Alexander KM, **Shoulders BR**, Williams R. Matched Analysis of Time to VTE Prophylaxis in TBI Patients Admitted to the NSICU vs. TICU. *Crit Care Med* 2024;52(1):S752.

Shoulders BR, Alexander KM, Manda L, Efron P, Mohr AM. 482: Role of Pneumonia PCR on Methicillin-Resistant *Staphylococcus aureus* Coverage in a Trauma ICU. *Crit Care Med* 2023;51(1):228.

Alexander KM, **Shoulders BR**, Croft C, Efron P. 1272: VTE Prophylaxis Practices in TBI Patients Admitted to the Neurosciences vs. Trauma ICU. *Crit Care Med* 2023;51(1):635.

Maranchick NF, Ashton J, DeSear K, Jutba AS, Kaseer H, Maguigan KL, Santevecchi BA, **Shoulders BR**, Venugopalan V, Alshaer MH, Peloquin CA. Beta-lactam Exposure in Patients with Bacterial Endocarditis. American Society of Microbiology, Washington, DC. June 9-13, 2022.

Shoulders BR, Maguigan KL, Balch JA, Alexander KM, Vouri SM, Loftus TJ. Opioid and Adjunctive Analgesic Medication Prescribing Trends in Surgical Sepsis Survivors. Virtual Poster Symposium, American College of Clinical Pharmacy. May 24, 2022.

Alshaer MH, Maguigan KL, Murray MR, Venugopalan V, Ashton J, **Shoulders BR**, DeSear K, Santevecchi BA, Cherabuddi K, Peloquin CA. 952: Beta-lactam Exposure in ICU Patients and Associated Outcomes: A Prospective Observational Study. Crit Care Med 2022;50(1):473.

Allen J, Feild C, **Shoulders BR**, Voils SA. 1435: Evaluation of Black-White Disparities in Sepsis Patients Treated with Piperacillin-tazobactam. Crit Care Med 2022;50(1):720.

Lofy M, Xhemali I, Maguigan KL, Alexander KM, **Shoulders BR**. Utility of Pneumonia PCR and Bronchoalveolar Lavage in the Identification of Microbial Targets. Student poster at ASHP Midyear Clinical Meeting, Virtual Meeting. December 5-9, 2021.

Shoulders BR, Falasa M, Vanzant E, Maguigan KL, Mohr AM. 678: Short Course Antibiotic Therapy for Early Ventilator-Associated Pneumonia. Crit Care Med 2021;49(1):334.

Allen JM, Feild C, **Shoulders BR**, Voils SA, Surajbali D, Nguyen D, Kuczek J, Tran M, Hachey B. 853: Comparison of Common Piperacillin-tazobactam Dosing Strategies in Patients with Septic Shock. Crit Care Med 2021;49(1):423.

Feild C, Allen JM, **Shoulders BR**, Voils SA. 892: Impact of a Multimedia Approach to Rapid Response Team Training in a Pharmacy Critical Care Elective. Crit Care Med 2021;49(1):443.

Dioia A, Santevecchi BA, **Shoulders BR**. Experience with a Unit-based Antibigram and Impact on Antimicrobial Resistance Rates in a Trauma Intensive Care Unit. Student poster at ASHP Midyear Clinical Meeting, Virtual Meeting. December 6-10, 2020.

Boulos JM, DeSear K, **Shoulders BR**, Venugopalan V, Voils SA, Vu CH, Logan M, Santevecchi BA. 143: Modification of Linezolid Restriction Criteria Reduce ICU Gram-positive Antibiotic Consumption. Open Forum Infectious Diseases 2020;7(Supplement_1):S201-202.

Allen JM, Surajbali D, Nguyen D, Feild C, **Shoulders BR**, Voils SA. MeRIT Project: Impact of Antibiotic Renal Dosing in Septic Shock Patients Utilizing Real-world Evidence. J Amer Coll Clin Pharm 2020;3(8):1525-1689.

Rubido E, Tablante T, Allen JM, Cherabuddi K, Maguigan K, Scheetz M, **Shoulders BR**, Klinker KP, Venugopalan V, Voils SA, Al-Shaer M, Peloquin C. Beta-lactam-induced Platelet Drop in Critically Ill Patients. J Amer Coll Clin Pharm 2020;3(8):1525-1689.

Shoulders BR, Tran N, Maguigan KL, Drabick Z. Characterization of Cisatracurium Titrations and Oxygenation in Moderate to Severe ARDS. Crit Care Med 2020;49(1):529.

Feild C, Allen JM, **Shoulders BR**, Voils SA. Impact of a 360-Degree Technology in a Critical Care Pharmacy Elective. Crit Care Med 2020;49(1):459.

Gonzalez N, Voils SA, **Shoulders BR**. Utility of NephroCheck® in Predicting Acute Kidney Injury (AKI) Among Sepsis Patients with Vancomycin and Beta-Lactam Exposure. ACCP Annual Meeting, New York, NY. October 26-29, 2019.

Golden S, Maguigan K, **Shoulders BR**, Torres A. Persistent delirium from recurrent infective parotitis exacerbated by dexmedetomidine in the trauma intensive care unit. International Anesthesia Research Society Meeting, Montreal, Quebec, Canada. May 16-20, 2019.

Patel K, Maguigan K, **Shoulders BR**. Evaluation of beta-lactam levels associated with extended daily dialysis. SCCM Annual Congress, San Diego, CA. February 17-20, 2019.

Lawal AF, **Shoulders BR**, Maguigan K, Bowers M, Efron P, Hagen J. Surgical site infections in type III open fractures: an analysis of antibiotic regimens and outcomes. UF College of Medicine Research Day, Gainesville, FL. February 19, 2019.

Patel K, Maguigan K, **Shoulders BR**. Impact of short-term antibiotic duration for bacteremia secondary to intraabdominal infection (IAI). Vizient poster session at ASHP Midyear Clinical Meeting, Anaheim, CA. December 1, 2018.

Jutba AS, Maguigan K, **Shoulders BR**. Impact of a short-term antibiotic duration on intra-abdominal infections. Student poster at ASHP Midyear Clinical Meeting, Orlando, FL. December 3-7, 2017.

Immerman JC, Veasey TM, Gowler AJ, Cope JM, **Shoulders BR**. Apixaban prescribing patterns and safety outcomes in inpatients with end stage renal disease. Student poster at ASHP Midyear Clinical Meeting, Orlando, FL. December 3-7, 2017. Crit Care Med 2016;44(12):386.

Shoulders BR, Smithburger PL, Kane-Gill SL, Tchen S. Is the risk as bad as it seems? Guideline evidence for off-label medication use in the ICU. .

Tchen S, **Shoulders BR**, Smithburger PL, Kane-Gill SL. Assessing off-label medication use in the ICU that diverges from guidelines recommendations. Student poster at ASHP Midyear Clinical Meeting. Las Vegas, NV. December 5, 2016.

Shoulders BR, Dzintars K, Davis S, Crow JR, Whitman G. Impact of intraoperative continuous vs. intermittent cefazolin therapy on the incidence of surgical site infections. Crit Care Med 2015;43(12):26.

Ather A, **Shoulders BR**, Saul MI, Kane-Gill SL. Drug-induced hypoglycemic events resulting in emergency department visits. Resident poster at ACCP Global Conference. San Francisco, CA. October 17-21, 2015.

Shoulders BR, Farland MZ, Williams JD, Barlow PA, Franks AS. Impact of pharmacists' interventions and simvastatin dose restrictions. Student poster at ASHP Midyear Clinical Meeting. Las Vegas, NV. December 1-6, 2012.

PUBLICATIONS

Venugopalan V, Maranchick N, Hanai D, Jimenez Hernandez Y, Joseph Y, Gore A, DeSear K, Peloquin CA, Neely M, Felton T, **Shoulders BR**, Alshaer MH. Association of Piperacillin and Vancomycin Exposure on Acute Kidney Injury During Combination Therapy. JAC-Antimicrobial Resistance, *Accepted, pending online publication*

Alshaer MH, Williams R, Mousa MJ, Alexander KM, Maguigan KL, Manigaba K, Maranchick N, **Shoulders BR**, Felton TW, Mathew SK, Peloquin CA. Cefepime daily exposure and the associated impact on the change in SOFA scores and vasopressors requirements in critically ill patients using repeated measures mixed-effect modeling. Critical Care Explorations 2023;5(11):e0993.

Shoulders BR, Alexander KM, Allen JM, Voils SA, Feild CJ. Implementing Innovative Teaching Strategies to Promote Student Academic Engagement in a Critical Care Elective. J Amer Coll Clin Pharm 2023;6(9):1022-29.

Alshaer MH, Maranchick N, Alexander KM, Manigaba K, **Shoulders BR**, Felton TW, Mathew SK, Peloquin CA. Beta-lactam Target Attainment and Associated Outcomes in Patients with Bloodstream Infections. *Int J Antimicrob Agents* 2023;61(3):106727.

Allen JM, Surajbali D, Nguyen D, Kuczek J, Tran M, Hachey B, Feild C, **Shoulders BR**, Smith S, Voils SA. Impact of Piperacillin-tazobactam Dosing in Septic Shock Patients Utilizing Real-World Evidence: An Observational, Retrospective Cohort Study. *Ann Pharmacother* 2023;57(6):653-61..

Alshaer MH, Maranchick NF, Bai C, Maguigan KL, **Shoulders BR**, Felton TW, Mathew SK, Mardini MT, Peloquin CA. Using Machine Learnins to Define the Impact of Beta-lactam Early and Cumulative Target Attainment on Outcome in Intensive Care Unit Patients with Hospital-Acquired and Ventilator-Associated Pneumonia. *Antimicrob Agents Chemother* 2022;66(7):e0056322.

Shoulders BR and Voils SA. "Chapter 21: Acute Management of Stroke." *Critical Care Pharmacotherapy*. American College of Clinical Pharmacy, 2nd edition.

Lehman A, Santevecchi BA, Maguigan KL, Laconi N, Loftus TJ, Mohr AM, **Shoulders BR**. Impact of Empiric Linezolid for Necrotizing Soft Tissue Infections on Duration of Methicillin-resistant *Staphylococcus aureus*-active Therapy. *Surg Infect (Larchmt)* 2022;23(3):313-7.

Alshaer MH, Goutelle S, Santevecchi BA, **Shoulders BR**, Venugopalan V, Cherabuddi K, Liu J, Kiel PJ, Roberts JA, Sime FB, Scheetz MH, Neely MN, Peloquin CA. Cefepime Precision Dosing Tool: From Standard to Precise Dose Using Nonparametric Population Pharmacokinetics. *Antimicrob Agents Chemother* 2022;66(2):e0204621.

Voils SA, Childs-Kean LM, Farland MZ, Smith KJ, Boulos J, Campbell CT, Cavanaugh TM, DeRemer CE, Lambrinos K, Miller SL, Santevecchi BA, **Shoulders BR**, Field C, Allen J. Pharmacy Student Self-assessment of Strength of Residency Candidacy Compared to Clinical Faculty. *Curr Pharm Teach Learn* 2022;14(3):304-9.

Shoulders BR, Elsabagh S, Tam DJ, Frantz AM, Alexander KM, Voils SA. Risk Factors for Delirium and Association of Antipsychotic Use with Delirium Progression in Trauma Patients. *Am Surg* 2023;89(5):1610-15.

Ruiz NC, Kamel AY, **Shoulders BR**, Rosenthal MD, Murray-Cassanova IM, Brakenridge SC, Moore FA. Nonocclusive mesenteric ischemia: A rare but lethal complication of enteral nutrition in critically ill patients. *Nutr Clin Pract* 2022;37(3):715-26.

Patel K, Maguigan KL, Loftus TL, Mohr AM, and **Shoulders BR**. Optimal Antibiotic Duration for Bloodstream Infections Secondary to Intraabdominal Infection. *J Surg Res* 2021;260: 82-87.

Voils SA, **Shoulders BR**, Singh S, Solberg LM, Garrett TJ, Frye RF. Intensive Care Unit Delirium in Surgical Patients is Associated with Upregulation in Tryptophan Metabolism. *Pharmacotherapy* 2020;40(6):500-6.

Shoulders BR, Casapao AM, Venugopalan V. Meropenem-vaborbactam: An Update on Existing and Emerging Data for Meropenem-Vaborbactam. *Clin Ther* 2020; 42(4):692-702.

Voils SA, **Shoulders BR**, Venugopalan V. Letter to the Editor (Infection after Penetrating Brain Injury). *J Trauma Acute Care Surg* 2020;88(3):e119.

Allen JM, Field C, **Shoulders BR**, Voils SA. Recent updates in the pharmacological management of sepsis and septic shock: a systematic review focused on fluid resuscitation, vasopressors, and corticosteroids. *Ann Pharmacother* 2019;53(4):385-95.

Strnad K, **Shoulders BR**, Smithburger PL, Kane-Gill SL. A systematic review of ICU and non-ICU clinical pharmacy services using telepharmacy. *Ann Pharmacother* 2018;52(12):1250-8.

Shoulders BR, Smithburger PL, Tchen S, Buckley M, Lat I, Kane-Gill SL. Characterization of off-label medication use in the intensive care unit. *Ann Pharmacother* 2017;51(7):529-42.

Shoulders BR, Crow JR, Davis S, Lester L, Barodka V, Whitman G, Dzintars K. Impact of intraoperative continuous vs. intermittent cefazolin therapy on the incidence of surgical site infections after coronary artery bypass grafting. *Pharmacotherapy* 2016;36(2):166-73.

Magruder JT, Grimm JC, Dungan SP, Shah AS, Crow JR, **Shoulders BR**, Lester L, Barodka V. Continuous intraoperative cefazolin infusion may reduce surgical site infections during cardiac surgical procedures: a propensity-matched analysis. *J Cardiothorac Vasc* 2015 Dec;29(6):1582-7.

Shoulders BR, Franks AS, Barlow PB, Williams JD, Farland MZ. Impact of pharmacists' interventions and simvastatin dose restrictions. *Ann Pharmacother* 2014;48(1):54-6.

TEACHING EXPERIENCE

Introduction to Epilepsy Pharmacological Management of Epilepsy Acute Management of Epilepsy Instructor/Module Leaders, PHA 5789C Patient Care 7	February 2024 to present
Personal and Professional Development, PHA 5023C and 5024C Course Coordinator Instructor – “Introduction to Course” and “Team Debriefing” UF College of Pharmacy	August 2023 to present
Parenteral Nutrition Instructor/In-Lab Facilitator, PHA 5166L Professional Practice Skills VI UF College of Pharmacy	April 2022 to present
Surgical Prophylaxis Instructor/Module Facilitator, PHA 5782C Patient Care II UF College of Pharmacy	September 2019 to present
Inpatient Rounding Co-instructor, PHA 5166L Professional Practice Skills VI UF College of Pharmacy	January 2019, 2020, 2021
Trauma ICU Management Instructure/Module Facilitator, PHA 5607 Critical Care Pharmacy UF College of Pharmacy	April-May 2019 to present
Venous Thromboembolism/Anticoagulation Hypertensive Crisis End Stage Liver Disease Instructor/Module Facilitator, PHA 5607 Critical Care Pharmacy UF College of Pharmacy	April-May 2018
Pharmacy Research Elective, PHA 5906 Project Advisor UF College of Pharmacy Bethany Shoulders, CV, Rev. January 16, 2024	Spring 2018, Spring 2021, Spring 2022

Cardiovascular Emergencies Specialized Patients in Critical Care Parenteral Nutrition Instructor, PHA 5876C Patient Care VIII Co-Facilitator, Critical Care Patients Active Learning Sessions (4) Co-Writer/Facilitator, Course Capstone UF College of Pharmacy	March 2018 to present
PGY1/PGY2 Residency Preceptor – Trauma/Surgical Critical Care UF Health Shands Hospital, Gainesville, FL North Florida/South Georgia VA Medical Center, Gainesville, FL	20 Rotation Months
2PD Capstone and Dental Interprofessional Experience Co-writer UF College of Pharmacy and UF College of Dentistry	Spring 2017 to present
Patient Case Presentations (GI/Oncology) Instructor, PHA 5164L Professional Practice Skills IV UF College of Pharmacy	Spring 2017 to present
Sepsis Main Case Co-facilitator, PHA 5784 Pharmacotherapy 4 UF College of Pharmacy	Fall 2016
Shock Sedation Venous Thromboembolism/Anticoagulation Co-facilitator, PHA 5607 Critical Care Pharmacy Elective UF College of Pharmacy	Fall 2016
Putting Families First, PHA 5700C Small Group Facilitator UF Health Science Center	Fall 2016 to 2023
Working Up Patients Patient Case Presentations (ID) Patient Case Presentations (Cardiology) Instructor, PHA 5163L Professional Practice Skills III UF College of Pharmacy	Fall 2016 to present
APPE Preceptor – Critical Care Rotation UF Health Shands Hospital, Gainesville, FL UF College of Pharmacy, Gainesville, FL	5 Student Months 2017-18 4 Student Months 2016-17 4 Student Months 2018-19 4 Student Months 2019-20 3 Student Months 2020-21 4 Student Months 2021-22

6 Student months 2022-23

Certificate in Pedagogy

University of Pittsburgh Office of Teaching and Learning
Pittsburgh, PA

completed June 2016

Teaching and Learning Curriculum Program

The Johns Hopkins Hospital Pharmacy Residency Program

completed June 2015

MEMBERSHIPS AND COMMITTEE SERVICE

American Association of Colleges of Pharmacy

May 2019 to present

Experiential Education Section, member

Pharmacy Practice Section, member

Nominating Committee (2021-present)

Laboratory Instructors SIG, member (2022-present)

Assessment SIG, member (2022-present)

Women's Faculty SIG, member (2022-present)

Council of Faculties

Junior Faculty Connect Community Committee, (2023-present)

Florida Society of Health-System Pharmacists

August 2016 - present

North Central Chapter, member

Society of Critical Care Medicine

July 2015 - present

Clinical Pharmacy and Pharmacology Section, member

Patient Safety Committee, member (2016-2018)

Education Committee, member (2022-present)

Social Media Committee, member (2020-2023)

Item Writing Committee, member (2024-present)

Maryland Society of Health System Pharmacy

June 2014 – June 2015

MSHP Education Programs Committee (2014-2015)

American College of Clinical Pharmacy

March 2013 – present

Education and Training PRN

Student and Post-Graduate Trainee Support Committee (2014-2015)

Communications Committee (2023-present)

Critical Care PRN

Membership Committee, member (2016-2017)

Social Media Committee, member (2017-2019)

Awards Committee, member (2019-2020)

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American Society of Health System Pharmacists, member

August 2012 – present

LEADERSHIP EXPERIENCE

Preceptor Promotion Committee

August 2021 – present

Member, UF College of Pharmacy

Diversity, Equity and Inclusion Committee

September 2020 - present

Member, UF Health Shands Hospital

Pharmacy Resident MUE and Research Committee

April 2020 – 2022

Member, UF Health Shands Hospital

Sepsis Support Group

April 2019 – present

Facilitator/Pharmacy Representative, UF Sepsis and Critical Illness
Research Center, UF College of Medicine

Pharmacy Residency Preceptor Development Program

June 2018 – June 2022

Co-coordinator, UF Health Shands Hospital

Pharmacy Residency Recruitment Committee

June 2018 – February 2021

Member, UF Health Shands Hospital

Academic Performance and Standards Committee

August 2018 - present

Member, UF College of Pharmacy

Peer Reviewer

August 2016 - present

Critical Care Nurse

Pharmacotherapy

Clinical Therapeutics

Journal of Pharmacy Practice

Critical Care Explorations

American Journal of Health-System Pharmacists

Currents in Pharmacy Teaching and Learning

Journal of Surgical Research

SAGE Open Medicine

Exploratory Research in Clinical and Social Pharmacy

Faculty Advisor

August 2016 - present

10 PharmD Candidates 2020, 4 PharmD Candidates 2021, 2 PharmD
Candidates 2023, 1 PharmD Candidate 2024, 7 PharmD Candidates 2025,
2 PharmD Candidates 2026

UF College of Pharmacy, Gainesville, FL

Faculty Judge, ASHP Clinical Skills Competition

October 2016, 2017, February 2018

UF College of Pharmacy, Gainesville, FL

Clinical Pharmacy Specialist Shadowing

September 2016 - present

IPPE/International PharmD students, FSHP student chapter members

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Trauma/Surgical ICU, UF Health Shands Hospital

Comprehensive Unit-based Safety Program

September 2016 - present

Member, UF Health Shands Hospital Trauma/Surgical ICU

Surgical Critical Care Protocol Committee

September 2016 - present

Member, UF Health Shands Hospital

HONORS AND AWARDS

Teaching Service Award, 2021-2022

UF College of Pharmacy, Gainesville, FL

Research and Scholarship Certificate Program, awarded November 2022

American College of Clinical Pharmacy

Exemplary Clinician Award, 2021-2022

UF College of Pharmacy, Gainesville, FL

Year 3 Team Teaching Award, 2020-2021, 2022-23

UF College of Pharmacy, Gainesville, FL

LICENSES & CERTIFICATIONS

Board Certified Critical Care Pharmacy

Expires December 31, 2024

Board of Pharmacy Specialties

Florida Pharmacist License

Expires September 30, 2025

License #PS55590

Maryland Pharmacist License

Expires February 28, 2026

License # 22528

Basic Life Support for Health Care Provider

Expired February 2023

American Heart Association

HIPAA training

University of Florida

Pharmacy Based Immunization Delivery

January 2011

APhA course