

Rebecca Smith, PharmD, BCCCP

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PROFESSIONAL PRACTICE

Clinical Pharmacy Specialist, Trauma and Emergency General Surgery University of Arkansas for Medical Sciences (UAMS); Little Rock, Arkansas Supervisor: Sherry Myatt, PharmD, BCPS	2019-Present
Clinical Assistant Professor UAMS College of Pharmacy, Department of Pharmacy Practice; Little Rock, Arkansas Supervisor: Amy M. Franks, PharmD	2019-Present
Clinical Staff Pharmacist UAMS; Little Rock, Arkansas Supervisor: Luke Green, PharmD	2019-Present
Clinical Staff Pharmacist University of Kentucky (UK) HealthCare; Lexington, Kentucky Supervisors: Elizabeth Smith, PharmD; Stacia Street, PharmD, BCPS	2018-2019
Clinical Staff Pharmacist Regional One Health (ROH); Memphis, Tennessee Supervisor: Matthew Currie, PharmD, MBA	2017-2018

EDUCATION AND POSTGRADUATE TRAINING

ASHP Accredited PGY2 Critical Care Pharmacy Residency UK HealthCare; Lexington, Kentucky Program Director: Alexander H. Flannery, PharmD, BCPS, BCCCP	2018-2019
ASHP Accredited PGY1 Pharmacy Residency Regional One Health; Memphis, Tennessee Program Director: Marilyn Lee, PharmD, BCPS	2017-2018
Teaching and Learning Program University of Tennessee College of Pharmacy (UTHSC); Memphis, Tennessee Memphis Program Director: Oscar Herrera, PharmD, BCNSP	2017-2018
Doctor of Pharmacy <i>Honors in Research, Honors in Experiential Education</i> UAMS College of Pharmacy; Little Rock, Arkansas	May 2017
Bachelor of Science, Biology University of Arkansas; Fayetteville, Arkansas	May 2013

UAMS INSTITUTIONAL COMMITTEE INVOLVEMENT

<u>Department of Pharmacy Services</u>	2019-Present
<ul style="list-style-type: none"> 23.4% Concentrated Saline Policy Creation Annual Total Parenteral Nutrition Pharmacist Competency Creation Anticoagulation Reversal Guideline Update Clinical Pharmacy Consult Downtime Procedures Update <ul style="list-style-type: none"> Heparin Drip Order Form Creation Insulin Drip Order Form Creation Sliding Scale Insulin Order Form Creation Total Parenteral Nutrition Order Form Update Total Parenteral Nutrition Policy Update Venous Thromboembolism Prophylaxis Protocol Update Patient Controlled Analgesia Order Set Update 	
<u>Neurocritical Care Safety Committee</u>	2019-2022
<ul style="list-style-type: none"> 23.4% Concentrated Saline Order Set and Guideline Creation 3% Hypertonic Saline Order Set and Guideline Creation Status Epilepticus Order Set and Guideline Creation 	
<u>Residency Advisory Committee</u>	2020-Present
<u>Trauma and Acute Care Surgery Faculty</u>	2019-Present
<ul style="list-style-type: none"> Analgesia and Sedation Considerations for ECMO Guideline Creation Emergency Department Acute Agitation Protocol Creation Tranexamic Acid Order Set Update Acute Pain Management Guideline Update Decisio Renal Dosing for Medication Review/Update General Surgery Admission Order Set Update Nursing-Driven Electrolyte Replacement Protocol Creation Open Fracture Antibiotics Clinical Practice Management Guideline Update Surgical Venous Thromboembolism Prophylaxis Guideline Update Alcohol Withdrawal Management Protocol Surgical Stress Ulcer Prophylaxis Management Guideline Creation Post-Splenectomy Vaccine Order Panel and Guideline Update Human Trafficking Screening and Response Guideline Creation Acute Care Surgery Admission Order Set Update Continuing Education Planning Subcommittee 	

TEACHING ACTIVITIES

UAMS Didactic Instruction

<u>Course Coordinator</u>	2022-2023
<ul style="list-style-type: none"> Therapeutics – Critical Care Problem-Based Learning Elective, PhPr 7361 UAMS College of Pharmacy; Little Rock, Arkansas 	
<u>Course Instructor</u>	2020-Present
<ul style="list-style-type: none"> Special Problems in Clinical Practice: Pain, PhPr 7150-007 UAMS College of Pharmacy; Little Rock, Arkansas 	

Preparation for Postgraduate Residency Training, PhPr 7450 2020-2023
UAMS College of Pharmacy; Little Rock, Arkansas

Career Orientation and Communications, PhPr 7103 2020,2022
UAMS College of Pharmacy; Little Rock, Arkansas

UAMS Experiential Instruction

Clinical Pharmacy Specialist Preceptor

Surgical Intensive Care Unit 2023-Present

UAMS PGY1 Pharmacy Residency Program

- 2023-2024: 1 PGY1 resident (1 month)

Nutrition Support Services (Elective) 2021-Present

UAMS PGY1 Pharmacy Residency Program

- 2023-2024: 1 PGY1 resident (1 month)
- 2022-2023: 1 PGY1 resident (1 month)
- 2021-2022: 2 PGY1 residents (2 months)

Nutrition Support Services 2020-Present

UAMS PGY2 Critical Care Pharmacy Residency Program

- 2023-2024: 1 PGY2 resident (1 month)
- 2022-2023: 1 PGY2 resident (1 month)
- 2021-2022: 1 PGY2 resident (1 month)
- 2020-2021: 1 PGY2 resident (1 month)

Emergency General Surgery and Trauma Surgery 2020-Present

UAMS Advanced Pharmacy Practice Experience (APPE) – Acute Care

- 2023-2024: 4 APPE students (2 months)
- 2022-2023: 2 APPE student (1 month)
- 2021-2022: 4 APPE students (2 months)
- 2020-2021: 6 APPE students (3 months)

Emergency General Surgery and Trauma Surgery (Elective) 2019-Present

UAMS PGY1 Pharmacy Residency Program

- 2023-2024: 1 PGY1 resident (1 month)
- 2022-2023: 1 PGY1 resident (1 month)
- 2020-2021: 3 PGY1 residents (3 months)
- 2019-2020: 1 PGY1 resident (1 month)

Neurocritical Care I (Elective) 2020-2022

UAMS PGY2 Critical Care Pharmacy Residency Program

- 2021-2022: 1 PGY2 resident (1 month)
- 2020-2021: 1 PGY2 resident (1 month)

Neurocritical Care II (Elective) 2020-2022
 UAMS PGY2 Critical Care Pharmacy Residency Program
 • 2020-2021: 1 PGY2 resident (1 month)

UAMS Longitudinal Instruction

Literature Evaluation Content Expert 2021-Present
 UAMS PGY1 Pharmacy Residency Program Journal Club
 • Critical Care Section
 • Emergency Medicine/Trauma Section

Critical Care Literature Evaluation Coordinator 2021-Present
 UAMS PGY2 Critical Care Pharmacy Residency Program Case Conference Series

Recitation Evaluator 2020-Present
 UAMS PGY1 Teaching Certificate Program Recitation Component

Simulation Content Expert 2020-2023
 UAMS PGY1 Pharmacy Residency Program Critical Care Simulations
 • Acute Ischemic Stroke
 • Status Epilepticus
 • Acute Management of Pregnant Trauma Patients

Grand Rounds Content Mentor 2020-Present
 UAMS PGY1 Pharmacy Residency Program Grand Rounds Series
 • ROTEM Interpretation (2021)
 • Fluid Management in Critically Ill Patients (2020)

RESEARCH AND SCHOLARLY ACTIVITY

Peer Reviewed Publications

Kalkwarf KJ, Bailey BJ, Wells A, Jenkins AK, **Smith RR**, Greer JW, Yeager R, Bruce N, Margolick J, Kost MR, Kimbrough MK. (2023). Using implementation science to decrease variation and high opioid administration in a surgical ICU. *Journal of Trauma and Acute Care Surgery*.

Buckley CT, **Smith RR**, Velamuri SR, Hill DM. (2023). A comprehensive, retrospective analysis of variables for potential mortality impact in patients with thermal or inhalation injury. *Journal of Burn Care & Research*.

Bissell BD, Johnston JP, **Smith RR**, Newsome AS, Thompson Bastin ML, Abdul-Mutakabbir J, Barlow A, Barlow B, Berger K, Crow JR, Dixit D, Jacobi J, Karaoui LR, Kiser TH, Kolesar J, Koontz SE, Mattingly TJ, Mitchell C, Nilges A, Rech MA, Heavner, MS. (2021). Gender inequity and sexual harassment in the pharmacy profession: Evidence and call to action executive summary. *Journal of the American College of Clinical Pharmacy*. 4:1375-1378.

Bissell BD, Johnston JP, **Smith RR**, Newsome AS, Thompson Bastin ML, Abdul-Mutakabbir J, Barlow A, Barlow B, Berger K, Crow JR, Dixit D, Jacobi J, Karaoui LR, Kiser TH, Kolesar J, Koontz SE, Mattingly TJ, Mitchell C, Nilges A, Rech MA, Heavner, MS. (2021). Gender inequity and sexual harassment in the pharmacy profession: Evidence and call to action. *American Journal of Health-System Pharmacy*. 78(22):2059-76.

Bastin ML, **Smith RR**, Bissell BD, Wolf HN, Wiegand AM, Cavagnini ME, Ahmad Y, Flannery AH. (2021). Comparison of fixed dose versus train-of-four titration of cisatracurium in acute respiratory distress syndrome. *Journal of Critical Care*. Volume 65, Pages 86-90.

Smith RR, Hill DM, Hickerson WL, Velamuri SR. (2019). Analysis of factors impacting length of stay in thermal and inhalation injury. *Burns*.

Dayer LE, **Shilling R**, Van Valkenburg M, Martin BC, Gubbins PO, Hadden K, Heldenbrand S. (2017). Assessing the Medication Adherence App Marketplace from the Health Professional and Consumer Vantage Points. *JMIR mHealth and uHealth*, 5(4), e45.

Heldenbrand S, Martin BC, Gubbins PO, Hadden K, Renna C, **Shilling R**, Dayer L. (2016). Assessment of medication adherence app features, functionality, and health literacy level and the creation of a searchable Web-based adherence app resource for health care professionals and patients. *Journal of the American Pharmacists Association*. Volume 56, Issue 3, Pages 293-302.

Abstract Submissions

Greer J, McGwin G, Jenkins A, Radhakrishnan H, **Smith R**, Davis B, Sexton K, Holcomb J, Kalkwarf K. *The Impact of Bacterial Resistance to Empiric Antibiotics on Mortality and Hospital Length of Stay*. 2022 Clinical Congress of Acute Care Surgery. American Association for the Surgery of Trauma.

Research in Progress

Evaluating the Effects of Dexamethasone Use for Postoperative Nausea and Vomiting in Diabetic, Critically Ill Surgical Patients
UAMS Department of Pharmacy; Little Rock, Arkansas

The Dissemination and Impact of a Multimodal Pain Regimen on Analgesia Prescribing
UAMS Department of Acute Care Surgery; Little Rock, Arkansas
Submitted to Journal of Surgical Research

Adherence to Trauma Prophylactic Venous Thromboembolism Guidelines Among Hospital Services
UAMS Department of Acute Care Surgery; Little Rock, Arkansas
Submitted to Surgery in Practice and Science

Modified Antibiotic Prophylaxis in Trauma Patients with Open Fractures
UAMS Department of Pharmacy; Little Rock, Arkansas

Invited Presentations

An RN's Guide to Antibiotics
UAMS Department of Nursing Grand Rounds Series; Little Rock, Arkansas

Planned for
January 2025

The Most Useful Antibiotic Lecture You'll Ever Have. I hope. April 2024
UAMS College of Medicine; Little Rock, Arkansas

Pain, Agitation, and Delirium: The Life of a Healthcare Worker and Guideline Update January 2022
UAMS Advanced Practice Providers Pharmacology Series; Little Rock, Arkansas

Best Practices for Precepting July 2021
UAMS Teaching Certificate Program Summer Seminar; Little Rock, Arkansas

Morbidity and Mortality Patient Case Presentation March 2021
UAMS Anesthesiology and Surgery Department Combined Case Conference Series;
Little Rock, AR

Discovering Your Preceptor Roles March 2021
UAMS Preceptor Development Series; Little Rock, Arkansas

Using Diuresis for Successful Renal Replacement Therapy Discontinuation April 2019
SCCM Clinical Pharmacy and Pharmacology Journal Club Webcast; Lexington, KY

Podium Presentations

Factors Contributing to Increased Length of Stay in the Burn Intensive Care Unit

- Society of Critical Care Medicine Critical Care Congress; San Diego, CA February 2019
- Midsouth Pharmacy Residents Conference; Memphis, TN April 2018

Poster Presentations

Mahon M, **Smith RR**, Bailey B
Enoxaparin Dosing and Rates of Venous Thromboembolism in Emergency General Surgery Patients

- Surgical Research Symposium; Little Rock, AR March 2024

Smith R, Pierce C, Flannery AH, Flynn J
Evaluation of Cisatracurium Use in the Critically Ill

- Vizient University Health System Consortium; Anaheim, CA December 2018

Shilling R, Heldenbrand S, Martin BC, VanValkenburg M, Renna C, Hadden K, Dayer L
There Are Too Many Apps for That: Development of a Website Helps Patients and Providers Find Quality Medication Adherence Apps

- AR Pharmacists Association Annual Convention; Hot Springs, AR June 2016
- American Pharmacists Association Annual Meeting; Baltimore, MD March 2016
- AR Association of Health-System Pharmacists Fall Seminar; Little Rock, AR October 2015

Renna C, **Shilling R**, Heldenbrand S, Dayer L, Martin BC
Navigating the Flooded Adherence App Marketplace: Rating the Quality of Medication Adherence Apps

- American Pharmacists Association Annual Meeting; San Diego, CA March 2015
- AR Association of Health-System Pharmacists Fall Seminar; Little Rock, AR October 2014

Journal Article Reviewer

Journal of Clinical Pharmacy and Therapeutics 2021

Journal of the American College of Clinical Pharmacy 2018, 2021, 2024

Critical Care Recertification Course Reviewer

American Society of Health-System Pharmacists

- Statistics, EBM, and Clinical Trial Design; Oncological Emergencies 2021

Abstract Reviewer

Midsouth Pharmacy Residents Conference 2024

Critical Care Self-Assessment Program (CCSAP) Author

American College of Clinical Pharmacy

- Post-operative Care of the Surgical Patient 2024

ADVOCACY EXPERIENCES

Invited Presentations

Bissell B, **Smith R**, Heavner M. Speaker. *Gender Inequity and Sexual Harassment in the Pharmacy Profession: Evidence and Call to Action*. AJHP Voices Podcast. October 27, 2021.

Smith R. Speaker. *Sexual Harassment within Clinical Pharmacy*. University of Michigan College of Pharmacy Virtual Webinar. November 18, 2020.

Smith R, Barlow A, Barlow B, Johnston J. Moderator and Contributor. *Ending Sexual Harassment in Pharmacy*. Pharmacy Podcast Network. October 20, 2020.

PRESENTATIONS

Traumatotoxicity: "Can we get a Vodka Drip from Inpatient Pharmacy?" January 2023
UAMS Case Conference Series; Little Rock, Arkansas

Acute Management of Thermal and Inhalation Injury May 2019
UK HealthCare; Lexington, Kentucky

Burn Resuscitation March 2019
UK HealthCare; Lexington, Kentucky

Achieving the 3 C's – Conscious, Calm, and Cooperative – with Enteral Medications January 2019
UK HealthCare; Lexington, Kentucky

2018 Pain, Agitation, Delirium, Immobility, and Sleep Guideline Update November 2018
UK HealthCare; Lexington, Kentucky

Analgesia, Sedation, and Neuromuscular Blocker Pearls October 2018
UK HealthCare; Lexington, Kentucky

<i>Fluid Options in the Intensive Care Unit</i> UK HealthCare; Lexington, Kentucky	September 2018
<i>Review of Acute Coronary Syndromes</i> UK HealthCare; Lexington, Kentucky	August 2018
<i>A Shocking Approval: Angiotensin II for Shock</i> ROH; Memphis, Tennessee	January 2018
<i>Getting Salty with Traumatic Brain Injury</i> ROH; Memphis, Tennessee	November 2017

AWARDS AND HONORS

American College of Clinical Pharmacy Practitioner Spotlight	2021
Arkansas Association of Health-System Pharmacists New Practitioner of the Year	2020
Arkansas Next Magazine Clinical Pharmacist Feature	2020
ROH Employee Brand Promise Award	2018
UAMS College of Pharmacy Dean's List	2014, 2015, 2016
UAMS Interprofessional Triple Aim Project Proposal Winner	2016
American Society of Transplantation's ODA National Challenge Winner	2014, 2015
American Society of Health-System Pharmacists Clinical Skills Competition Local Competition Winner; National Competition Participant	2015, 2016

LEADERSHIP AND PROFESSIONAL ORGANIZATIONS

American College of Clinical Pharmacy (ACCP)	2018-2022
ACCP Critical Care PRN	2018-2022
Social Media Committee	2018-2019
American Society of Health-System Pharmacists	2013-2019
Arkansas Association of Health-System Pharmacists (AAHP)	2017-2022
AAHP Fall Seminar Poster Session Judge	2020
Arkansas Pharmacists Association	2017-2022
Society of Critical Care Medicine (SCCM)	2018-2022
SCCM Clinical Pharmacy and Pharmacology Section	2018-2022
UAMS Acute Care Surgery Department Social Chair	2021-Present

LICENSURES AND CERTIFICATIONS

American Burn Association Advanced Burn Life Support Certification	Present
American Heart Association Advanced Life Support Certification	Present
American Heart Association Basic Life Support Certification	Present
Arkansas Pharmacist License (PD14067)	Present
Board Certified Critical Care Pharmacist (7152696)	Present
Stop the Bleed Certification	Present
Collaborative Institutional Training Initiative Certification	2014-2021
Kentucky Pharmacist License (019871)	2018-2019
Tennessee Pharmacist License (41615)	2017-2019