

Marilyn N. Bulloch, PharmD, BCPS FCCM

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EDUCATION

- 2008- 2009 Charleston Area Medical Center; Charleston, WV
 ▪ Critical Care Pharmacy Residency
- 2007-2008 University of Alabama-Birmingham Hospital; Birmingham, AL
 ▪ Pharmacy Practice Residency
- 2001-2007 Rutgers, the State University of New Jersey Ernest Mario School of
Pharmacy; Piscataway, NJ
 ▪ Doctor of Pharmacy May 2007
- 2000-2001 Patrick Henry Community College; Martinsville, VA
 ▪ Undergraduate Studies

PROFESSIONAL EXPERIENCE

- 2019 –present **Director of Strategic Operations.** Harrison School of Pharmacy,
Auburn University – Auburn, AL
- 2015- present **Associate Clinical Professor** Department of Pharmacy Practice
Harrison School of Pharmacy, Auburn University – Auburn, AL
- 2018 –present **Adjunct Clinical Associate Professor** Department of Family,
Internal, and Rural Medicine, The College of Community Health
Sciences, University of Alabama – Tuscaloosa, AL
- 2018-present **Adjunct Clinical Associate Professor** Department of Medicine
University of Alabama – Birmingham School of Medicine
- 2009- 2015 **Assistant Clinical Professor** Department of Pharmacy Practice
Harrison School of Pharmacy, Auburn University – Auburn, AL
- 2009 –2018 **Adjunct Assistant Clinical Professor** Department of Internal
Medicine, The College of Community Health Sciences, University of
Alabama School of Medicine – Tuscaloosa, AL

- 2009- 2017 **Preceptor** DCH Regional Medical Center Pharmacy Practice Residency Program – Tuscaloosa, AL
- 2008- 2009 **Critical Care Pharmacy Resident** Charleston Area Medical Center - Charleston, WV
- 2007-2008 **Pharmacy Practice Resident** University of Alabama-Birmingham Hospital – Birmingham, AL
- 2007-2008 **Staff Pharmacist** University of Alabama-Birmingham Hospital- Birmingham, AL

PROFESSIONAL SERVICE

- 2019-present **Member.** 2019 American College of Clinical Pharmacotherapy Standard Setting Panel
- 2018 –present **Member,** Society of Critical Care Medicine Program Committee
- 2018 **Continuing Pharmacy Education Field Reviewer,** Accreditation Council for Pharmacy Education
- February 2018 **Moderator.** Research Snapshot Theater: Pharmacology Pediatrics and Adults. *47th Annual Society of Critical Care Medicine Critical Care Congress. San Antonio, Texas*
- 2017- present **Member.** Antibiotic Stewardship Workgroup. Alabama Department of Public Health
- June 2017 **Judge.** Alabama Pharmacy Association Pharmacy Student Self-Care Challenge Competition. 136th Annual Alabama Pharmacy Association Annual Convention. Destin, Florida
- 2017 –2018 **Coordinator.** Alabama Pharmacy Media Campaign. Alabama Pharmacy Association
- 2017 **Continuing Pharmacy Education Field Reviewer,** Accreditation Council for Pharmacy Education
- January 2017 **Moderator.** Research Snapshot Theater: Pharmacology II. *46th Annual Society of Critical Care Medicine Critical Care Congress. Honolulu, Hawaii*
- 2016 - present **Member.** Adult Multidisciplinary Critical Care Knowledge Assessment Program Committee. Society of Critical Care Medicine

2016 - present **Member.** Organizational Affairs Committee. Alabama Pharmacy Association

2016- present **Member.** Department of Pharmacy Practice Promotion Committee. Harrison School of Pharmacy, Auburn University

February 2016 **Moderator.** Research Snapshot Theater: Pharmacology. *45th Annual Society of Critical Care Medicine Critical Care Congress. Orlando, Florida*

2015 - 2017 **Trustee.** Board of Trustees. College of Henricopolis School of Medicine. Martinsville, Virginia

2016 **Member.** Interprofessional Education Committee. Harrison School of Pharmacy, Auburn University

2015 - 2016 **Member.** Education Committee, Southeastern Chapter. Society of Critical Care Medicine

2015 - 2016 **Director.** Ragball League. Gardendale Youth Baseball. Gardendale, Alabama

2015 **Member.** Executive Dean Search Committee. College of Henricopolis School of Medicine. Martinsville, Virginia

2014 - 2018 **Member.** Medicaid Drug Utilization Review Board. Alabama Medicaid Agency

- **Chair** -2017-2018

2015 - 2016 **Chair.** Program Committee, Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

2014 - 2015 **Chair Elect.** Program Committee, Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

2013 - 2016 **Coordinator.** Society of Critical Care Medicine Annual Congress Clinical Pharmacy and Pharmacology Section Recruitment Exchange Program Committee, Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

2014 - present **Member.** Communications Committee. Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

2014 - present **Member.** Patient Safety Committee. Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

2014	Chair. Academy of Pharmacy Practice Health Systems Academy Section. Alabama Pharmacy Association
2013-present	Member. Alabama Pharmacy Association Research and Education Board
2013-2016	Member. Patient Safety Committee. Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section
2013	Chair-Elect. Academy of Pharmacy Practice Health Systems Academy Section. Alabama Pharmacy Association
2013	Member Pharmacy Practice Department Faculty Search Committee. Harrison School of Pharmacy, Auburn University
2013 – 2016	Member. Interprofessional Education, Engagement, and Research Task Force. University of Alabama
2012 – 2014	Member. Interdisciplinary Education Committee. Harrison School of Pharmacy, Auburn University
2012 - 2013	Member. Programming Committee. American College of Clinical Pharmacy Adult Medicine Practice and Research Network
2012 - 2013	Member. Programming Committee. American College of Clinical Pharmacy Critical Care Medicine Practice and Research Network
2012	Continuing Pharmacy Education Field Reviewer, Accreditation Council for Pharmacy Education
2011 - 2016	Member. Geriatric Education Center Steering Committee The University of Alabama-Birmingham
2011- 2012	Member. Training and Travel Awards Committee. American College of Clinical Pharmacy Adult Medicine Practice and Research Network
2011 - present	Pharmacy Faculty Preceptor. Interdisciplinary Team Training for Health Profession Students. University of Alabama-Birmingham.
2011- present	Fundamental Critical Care Support Course Associate Instructor. Society of Critical Care Medicine
2010 - present	Fundamental Critical Care Support Program Committee. Society of Critical Care Medicine

- 2010-present **Member.** Committee for Academic Requirements and Professionalism. Harrison School of Pharmacy, Auburn University
- **Chair** – 2016 to present
- 2011 - 2012 **Vice Chairperson.** Family Readiness Group. Alabama Army National Guard Bravo Company, 1204th Aviation Support Battalion
- 2011-2012 **Member.** Legislative Affairs Committee. Alabama Society of Health-System Pharmacists
- 2010 **Conflict of Interest Resolution Reviewer,** Pharmacotherapy Self-Assessment Program (7th ed). Controversies in Women's and Men's Health. *Women and Men's Health* (Book 3)
- 2010 - 2016 **Member.** Advocacy in Pharmacy Practice Task Force. American Association of Colleges of Pharmacy, Section of Teachers of Pharmacy Practice
- 2010 - 2016 **Member.** Legislative Affairs Committee. Alabama Pharmacy Association
- 2010 - present **Member.** Educational Affairs Committee. Alabama Pharmacy Association
- 2010- 2016 **Member.** Public Affairs Committee Alabama Pharmacy Association
- **Chair** – June 2010-2016
- 2010 - present **Member. Professional Affairs Committee,** Alabama Pharmacy Association
- 2010 - 2011 **Member.** Academic Integrity Ad Hoc Group. Harrison School of Pharmacy, Auburn University
- 2009 - 2010 **Member.** Faculty and Student Honors, Awards, and Scholarship Committee. Harrison School of Pharmacy, Auburn University
- 2009 - 2010 **Member.** Educational Programming Committee, American College of Clinical Pharmacy Education and Training PRN
- 2009 - 2011 **Secretary.** Family Readiness Group. Alabama Army National Guard Bravo Company, 1204th Aviation Support Battalion
- 2009 - present **Member.** Program Committee. Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section

- 2009 - 2010 **Member.** Membership Committee. Society of Critical Care Medicine
Clinical Pharmacy and Pharmacology Section
- 2009 - 2017t **Member.** Resident Advisory Group. Pharmacy Practice Residency
Program DCH Regional Medical Center
- 2008 - 2009 **West Virginia Health Right Clinic,** Charleston, West Virginia
- 2008 - 2009 **Pharmacy Resident Candidate Interview Coordinator** Charleston
Area Medical Center

TEACHING RESPONSIBILITIES

- PYDI
9570/9576 History of Pharmacy. Harrison School of Pharmacy. Auburn University
- Co-Coordinator – 2018 to present
 - Pharmacy in Ancient Times
 - Pharmacy during the Middle Ages and in Europe
 - Pharmacy in Early American History
- PYPD
9260/9266 Integrated Pharmacotherapy VII
- Bacteria Unit Co- Liaison – 2018 to present
 - Respiratory Unit Liaison – 2018 to present
 - Sepsis
 - Influenza
 - Varicella-zoster
- PYDI
9350/9356 Pharmacy Operations: Regulatory requirements, procedures, and
policies. Longitudinal Experience IV
- PYDI 9000 Ethics and Professionalism. Pharmacy Orientation. Harrison School of
Pharmacy. Auburn University
- PYDI 9080 Aging Sensitivity. Foundations of Pharmacy. Harrison School of
Pharmacy. Auburn University
- PYDI 9786 Acute Care Pharmacotherapy. Harrison School of Pharmacy. Auburn
University
- PYDI
9970/9976 Special Topics in Pharmacy. Harrison School of Pharmacy. Auburn
University
- PYDI 9960 End-of-life Care. Special Problems in Pharmacy. Harrison School of
Pharmacy. Auburn University

PYDI 9120 Respiratory System Assessment. Contemporary Aspects of Pharmacy Practice II. Harrison School of Pharmacy. Auburn University

PYDI 9090 Pharmacy Practice Experience I. Harrison School of Pharmacy. Auburn University

PYDI 9190 Pharmacy Practice Experience II. Harrison School of Pharmacy. Auburn University

PYDI 9290 Pharmacy Practice Experience III. Harrison School of Pharmacy. Auburn University

PYDI 9390 Pharmacy Practice Experience IV. Harrison School of Pharmacy. Auburn University

PYDI 9490 Pharmacy Practice Experience V. Harrison School of Pharmacy. Auburn University

PYDI 9590 Pharmacy Practice Experience VI. Harrison School of Pharmacy. Auburn University

PYDI 9470 Integrated Pharmacotherapy I. Harrison School of Pharmacy. Auburn University

PYDI 9480 Integrated Pharmacotherapy II. Harrison School of Pharmacy. Auburn University

PYDI 9570 Integrated Pharmacotherapy III. Harrison School of Pharmacy. Auburn University

PYDI 9580 Integrated Pharmacotherapy IV. Harrison School of Pharmacy. Auburn University

PYPP 9620 Medicine I. Advanced Practice Experience. Harrison School of Pharmacy. Auburn University

PYDI 9630 Medicine II-Selective. Advanced Practice Experience. Harrison School of Pharmacy. Auburn University

PYDI 9690 Professional Seminar. Harrison School of Pharmacy. Auburn University

STP2080 Adventures in Medicine. Special Topics Course. University of Alabama School of Medicine.

PRESENTATIONS

Bulloch MN, Rich SJ. Early Interventions for treating influenza: economic evaluation in managed care settings. 1.5 hour Continuing education program. Asembia 2019 Specialty Pharmacy Summit. Las Vegas, Nevada. April 30, 2019

Bulloch MN. Management of Narcolepsy. 1 hour Continuing education and Board Certified Psychiatric Pharmacist live recertification program. College of Psychiatric and Neurologic Pharmacists 2019 Annual Meeting. Salt Lake City, Utah. April 8, 2019

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2019 (4 medical students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2019 (4 medical students, 2 pharmacy students)

Bulloch MN. *Geriatric Pharmacotherapy*. Didactic lecture presentation to M3 students. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. April 2019 (12 medical students)

Bulloch MN, Piszczatoski C. *Evaluation of Sedation and Delirium Trials on Inclusion of Geriatric Patients*. Platform presentation. 48th Annual Society of Critical Care Medicine Critical Care Congress. San Diego, California. February 18, 2019

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2019 (4 medical students, 2 pharmacy students)

Shuman K, Arciniegas A, **Bulloch MN**, Stewart JG. Lacosamide associated hypernatremia. Poster Presentation. 2019 Alabama Medical Directors Association Mid-Winter Conference. Birmingham, Alabama. January 26, 2019

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2019 (4 medical students, 2 pharmacy students)

Bulloch MN, Braxton-Lloyd K, Scott D. Naloxone: A Guide for Alabama Community Pharmacist 1 hour Continuing education program. Harrison School of Pharmacy Auburn University Live Webinar and Home-based study program. December 6, 2018

Bachtle A, Allgood R, **Bulloch MN**. Pregabalin-induced dystonic reaction in hemodialysis patient. Poster Presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, California. December 4, 2018

Shuman K, Arciniegas A, **Bulloch MN**, Stewart JG. Lacosamide associated hypernatremia. Poster Presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, California. December 4, 2018

Hill, M, Moulton M, **Bulloch MN**. Evaluation of clinical trials involving the use of homeopathic medicine in the management of infectious diseases. Poster Presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, California. December 4, 2018

Bulloch MN, Braxton-Lloyd K, Scott D. Naloxone: A Guide for Alabama Community Pharmacist 1 hour Continuing education program. Harrison School of Pharmacy Auburn University Live Webinar and Home-based study program. December 6, 2018

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2018 (4 medical students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. November 2018 (4 medical students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. October 2018 (4 medical students)

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2018 (4 medical students)

Bulloch MN. *Geriatric Pharmacotherapy*. Didactic lecture presentation to M3 students. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2018 (12 medical students)

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2018 (6 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2018 (6 medical students, 3 pharmacy students)

Bulloch MN. *Medication Reconciliation: Creating a Source of Truth.* 1 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 27, 2018

Bulloch MN. *Drug Adjustments in Older Adults.* 1 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 27, 2018

Geary BT, **Bulloch MN**, Furr SP. *Urinary Problems in Long Term Care: expert panel discussion.* 2 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 27, 2018

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2018 (8 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. May 2018 (8 medical students, 3 pharmacy students)

Keeton AN, Rahman MM, Conner AC, Qian J, **Bulloch MN.** *Evaluation of Potentially Inappropriate Medications in Older Adults Admitted to the Medical Intensive Care Unit.* Poster Presentation. Auburn University Research Symposium. Auburn, Alabama. March 26, 2018

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2018 (6 medical students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2018 (6 medical students)

Bulloch MN, Gamble S, Plotkina A, Britton S. *Evaluation of Clinical Trials Including Geriatric Patients in the Treatment of Sepsis.* Platform presentation. 47th Annual Society of Critical Care Medicine Critical Care Congress. San Antonio, Texas. February 26, 2018

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2018 (6 medical students, 3 pharmacy students)

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2018 (6 medical students, 1 pharmacy student)

Talbot T, **Bulloch MN.** Evaluation of clinical practice guidelines for geriatric specific recommendations. Poster Presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Orlando, Florida. December 4, 2017

Keeton AN, Rahman MM, Conner AC, Qian J, **Bulloch MN.** *Evaluation of Potentially Inappropriate Medications in Older Adults Admitted to the Medical Intensive Care Unit.* Poster Presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Orlando, Florida. December 4, 2017

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2017 (6 medical students)

Bulloch MN. Alternatives to opioids for pain in dentistry. Continuing education program. Alabama Dental Association 9th District Dental Society Meeting. Opelika, Alabama. October 7, 2017

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. October 2017 (5 medical students, 3 pharmacy students)

Keeton “AN, Rahman MM, Conner AC, Qian J, **Bulloch MN.** *Evaluation of Potentially Inappropriate Medications in Older Adults Admitted to the Medical Intensive Care Unit.* Poster Presentation. Alabama Society of Health-System Pharmacists Annual Clinical Meeting. Birmingham, Alabama. September 28, 2017

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2017 (5 medical students, 3 pharmacy students)

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2017 (5 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2017 (5 medical students, 3 pharmacy students)

Geary WT, Wynn C, Stewart JG, **Bulloch MN**. *Red Eye Rounds: Medical Direction Challenges and Clinical Quandaries*. 2 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 30, 2016

Bulloch MN. *Antibiograms in long term care*. 1 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 30, 2017

Bulloch MN. *Binging on Benadryl...and other interesting drugs of abuse* 1.5 hour Continuing education program. Alabama Pharmacy Association Annual Conference. Destin, Florida. June 20, 2017

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2017 (3 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. May 2017 (3 medical students, 3 pharmacy students)

Griffiths C, **Bulloch M**, Hamilton L, Nei S. *Clinical pharmacy and pharmacology section recruitment exchange: three years in the making*. Poster presentation. 2017 virtual Poster Symposium. American College of Clinical Pharmacy. May 17-18, 2017

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. April 2017 (4 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2017 (4 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2017 (4 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs*. Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2017 (4 medical students, 3 pharmacy students)

Bulloch MN. *Hitting the antibiotic bullseye: optimization of dosing and delivery in the critically ill.* Rapid detection and optimization of antimicrobials in the ICU Continuing education presentation. 46th Annual Society of Critical Care Medicine Critical Care Congress. Honolulu, Hawaii. January 25, 2017

Bulloch MN, Meyer B, Henry S. *Evaluation of Clinical Trials Including Geriatric Patients in the Treatment of Hypertensive Emergencies.* Platform presentation. 46th Annual Society of Critical Care Medicine Critical Care Congress. Honolulu, Hawaii. January 24, 2017

Griffiths C, **Bulloch M,** Hamilton L, Nei S. *Clinical pharmacy and pharmacology section recruitment exchange: three years in the making.* Platform presentation. 46th Annual Society of Critical Care Medicine Critical Care Congress. Honolulu, Hawaii. January 23, 2017

Bulloch MN, Arnold S. *Apixaban-induced hemorrhage into an emphysematous bulla.* Platform presentation. 46th Annual Society of Critical Care Medicine Critical Care Congress. Honolulu, Hawaii. January 23, 2017

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2016 (3 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. November 2016 (3 medical students, 2 pharmacy students)

Bulloch MN, Cutcliff A, Stringberg A, Atkins C. *History of Pharmacy.* Didactic lecture to M3 and M4 students in History of Medicine course. University of Alabama School of Medicine. October 5, 2016

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2016 (6 medical students, 3 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2016 (6 medical students, 3 pharmacy students)

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Inserting a silver lining into infection management: antibiotic stewardship in long term care.* 2 hour Continuing education program. The Alabama Medical Directors Association Annual Conference. Destin, Florida. July 30, 2016

Bulloch MN. *Beers and Beyond: a 2016 update on potentially inappropriate medications.* 1.5 hour Continuing education program. Alabama Pharmacy Association Annual Conference. Destin, Florida. June 13, 2016

Bulloch MN. *Clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. June 10, 2016

Headrick A, Anderson B, **Bulloch MN,** et al. Utility of tolvaptan in the treatment of acute hypovolemic hyponatremia. Poster presentation. American College of Physicians 2016 Alabama and Mississippi Chapter Meeting. Birmingham, Alabama. June 3, 2016

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Traumatic Brain Injury Scenario Skill Station.* Society of Critical Care Medicine Fundamental Critical Care Support Course. Atlanta, Georgia. May 4, 2016

Bulloch MN. *Integrated Sepsis Scenario Skill Station.* Society of Critical Care Medicine Fundamental Critical Care Support Course. Atlanta, Georgia. May 4, 2016

Bulloch MN, Paumen L, Eure S, et al. *Impact of Higher Target Vancomycin Trough Levels on Incidence of Vancomycin-Induced Acute Kidney Injury.* Poster presentation. University of Alabama Institute for Rural Health 17th Annual Rural Health Conference. Tuscaloosa, Alabama. April 27 2016

Bulloch MN. *Leadership in the Alabama Pharmacy Association.* 2016 Alabama Pharmacy Association Leadership Conference. Sylacauga. Alabama, April 16, 2016

Bulloch MN, Paumen L, Eure S, et al. *Impact of Higher Target Vancomycin Trough Levels on Incidence of Vancomycin-Induced Acute Kidney Injury.* Poster Presentation. 8th Annual University of Alabama College of Community Health Sciences Research Day. Tuscaloosa, Alabama. April 7, 2016

Bulloch MN. *Sepsis.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. April 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2016 (6 medical students, 2 pharmacy students)

Bulloch MN, Paumen L, Eure S, Stewart JG. *Impact of Higher Target Vancomycin Trough Levels on Incidence of Vancomycin-Induced Acute Kidney Injury.* Poster and Platform presentation. 45th Annual Society of Critical Care Medicine Critical Care Congress. Orlando, Florida. February 2016

Bulloch MN, Bulger D, McGee E, et al. *Evaluation of Clinical Trials Including Geriatric Patients in the Treatment of Nosocomial Pneumonia.* Poster and platform presentation. 45th Annual Society of Critical Care Medicine Critical Care Congress. Orlando, Florida. February 2016

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2016 (6 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2016 (6 medical students, 2 pharmacy students)

Singleton A, Hedman K, Bice, T, Phillippe H, **Bulloch MN.** *Evaluation of the quantity and quality of geriatric specific recommendations in clinical practice guidelines.* Poster presentation. American Society of Health-System Pharmacists 50th Annual Midyear Meeting. New Orleans, Louisiana. December 2015

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2015 (6 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2015 (6 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2015 (8 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2015 (8 medical students, 2 pharmacy students)

Bulloch MN. *Drugs for Bugs.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2015 (8 medical students, 7 family medicine residents, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2015 (8 medical students, 2 pharmacy students)

Bulloch MN. *Managing multiple medications in geriatrics.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. July 24, 2015

Tice AC, Hutchinson AM, **Bulloch MN.** Jungnickel PW. *Faculty mentoring of student pharmacists experiencing difficulties in academic performance and/or professional development.* Poster presentation. American Association of Colleges of Pharmacy Annual Meeting and Seminars. Baltimore, Maryland. July, 2015

Bulloch MN. Hutchinson AM, Tice AC, Jungnickel PW. *Development and Implementation of Conceptual Framework for Mentoring Students in Academic Difficulty.* Poster Presentation. American Association of Colleges of Pharmacy Annual Meeting and Seminars. Baltimore, Maryland. July, 2015

Bulloch MN. *Subdue the Flu: a 2015 update on influenza.* 1.5 hour Continuing education program. Alabama Pharmacy Association Annual Conference. Destin, Florida. June 22, 2015

Bulloch MN. *Clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. June 5, 2015

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2015 (6 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2015 (6 medical students, 2 pharmacy students)

Brown C, Baker N, **Bulloch MN**, Morris D, Hitchcock L. *Key Note Panel: Interdisciplinary Perspective on Caring for Older Adults.* 1 hour Continuing education presentation. 6th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 26, 2015

Bulloch MN. *Medication Management for Older Adults During Transitions of Care.* 1 hour Continuing education presentation. 6th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 26, 2015

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2015 (6 medical students, 3 pharmacy students)

Bulloch MN, Gist N, Parton J, Sivaraman B. *Impact of the Joint Commission pneumonia core measures on antibiotic use and selection.* Poster presentation. Society of Critical Care Medicine 44th Annual Critical Care Congress. Phoenix, Arizona. January 19, 2015

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2014 (4 medical students, 2 pharmacy students)

Bulloch MN. *Assessment and Evaluation of the Critically Ill Patient.* Continuing education presentation. Society of Critical Care Medicine Fundamental Critical Care Support Course. University of Alabama-Birmingham Hospital. Birmingham, Alabama. October 13, 2014

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2014 (5 medical students, 2 pharmacy students)

Bulloch MN. *Understanding the Mystery of Glycemic Control in the Critically Ill.* 1 hour Continuing education presentation. Sugar Cubes Diabetes Conference. DCH Regional Medical Center. Tuscaloosa, Alabama. August 28, 2014

Bulloch MN. *Assessment and Evaluation of the Critically Ill Patient.* Continuing education presentation. Society of Critical Care Medicine Fundamental Critical Care Support Course. University of Alabama-Birmingham Hospital. Birmingham, Alabama. August 12, 2014

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. August 2014 (5 medical students, 2 pharmacy students)

Bulloch MN. *Managing multiple medications in geriatrics.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. July 25, 2014

Hutchison AM, **Bulloch MN**, Fox BI, Williamson MA, Stevenson TL. *Impact of Geriatric Sensitivity Training on Student Pharmacist Attitudes and Perceptions of Aging.* Poster presentation. American Association of Colleges of Pharmacy Annual Meeting and Seminars. Grapevine, Texas. July, 2014

Hutchison AM, **Bulloch MN**, Fox BI, Williamson MA, Stevenson TL. *Impact of Geriatric Sensitivity Training on Student Pharmacist Attitudes and Perceptions of Aging.* Poster presentation. Auburn University Research Week. Auburn, Alabama. June 3, 2014

Bulloch MN, Baccas JT, Arnold S. *Clindamycin Induced Hypersensitivity Reaction.* Poster Presentation. 6th Annual University of Alabama College of Community Health Sciences Research Day. Tuscaloosa, Alabama, April 16, 2014

Sivaraman B, Gist N, Parton J, **Bulloch MN.** *Impact of the Joint Commission pneumonia core measures on antibiotic use and selection.* Poster presentation. 2nd Annual Harrison School of Pharmacy Research Symposium. Auburn, Alabama. April 11, 2014

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2014 (4 medical students)

Bulloch MN. *Clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. February 28, 2014

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2014 (4 medical students, 3 pharmacy students)

Bulloch MN. *Managing their Meds: Evaluating and Optimizing Home Medication Use in Older Adults.* 1 hour Continuing education presentation. 5th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 24, 2014

Bulloch MN. *Assessment Skill Station.* Society of Critical Care Medicine Fundamental Critical Care Support Instructor Course. Non-faculty instructor. Continuing education program. Society of Critical Care Medicine 43rd Critical Care Congress. San Francisco, California. January 9, 2014

Bulloch MN, Baccas JT, Arnold S. *Clindamycin Induced Hypersensitivity Reaction.* Poster presentation. Society of Critical Care Medicine 43rd Critical Care Congress. San Francisco, California. January 9-13, 2014

Bulloch MN. *Beyond Beers Basics: an update of the 2012 American Geriatric Society Beers Criteria for Potentially Inappropriate Medication Use in Older Adults.* American Academy of Family Physicians accredited continuing medical education program. Alabama Academy of Family Physicians Fall Forum. Birmingham, Alabama. December 14, 2013

Sivaraman B, Gist N, Parton J, **Bulloch MN.** *Impact of the Joint Commission pneumonia core measures on antibiotic use and selection.* Poster presentation. American Society of Health-System Pharmacists Midyear Meeting Midyear Clinical Meeting. Orlando, Florida. December 2013

Bulloch MN. *Understanding and Preventing Medication Related Problems in Older Patients.* Accreditation Council for Pharmacy Education accredited continuing education program. Alabama Pharmacy Association Year-End continuing education program. Montgomery, Alabama. December 8, 2014

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. November 2013 (5 medical students, 1 pharmacy student, 1 pharmacy resident)

Lee R, **Bulloch MN.** *Update on the 2013 ACC/AHA Guideline on the Treatment of Blood Cholesterol to Reduce Atherosclerotic Cardiovascular Risk in Adults.* In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. November 2013

Bulloch MN. *Successful Strategies for Addressing Medication Safety Hot Topics: Geriatrics.* Online Continuing Education Program. ScientiaCME and The American Society of Medication Safety Officers. Available <http://www.scientiacme.org/cme-78-111-0-0-10-medication-safety-geriatrics-cme> (ACCME September 26, 2013-2015) <http://www.scientiacme.org/cme-92-111-0-0-10-medication-safety-geriatrics-cme> (ACPE October 22, 2013-2014)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2013 (6 medical students, 2 pharmacy students)

Bulloch MN. *Managing multiple medications in older adults.* Interdisciplinary continuing medication education program. St. Vincent's Health System. Birmingham, Alabama. September 10, 2013

Bulloch MN. *Avoiding Hobson's choice in older patients: Managing multi-morbidity and multiple medications in geriatrics.* Accreditation Council for Pharmacy Education accredited continuing education program. Auburn University Harrison School of Pharmacy Summer Consultant Update and Therapeutics Conference. Birmingham, Alabama. July 27, 2013

Bulloch MN. *Managing multiple medications in geriatrics.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. July 25, 2013

Bulloch MN. *Clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. June 14, 2013

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 and P4 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. June 2013 (6 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2013 (4 medical students)

Patel N, **Bulloch MN.** *Evaluation of Medication Studies Enrolling Patients Aged 80 Years and Older.* Poster presentation. 4th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 25, 2013

Barnes B, **Bulloch MN.** *Use of Implicit Criteria to Determine Appropriateness of Medication in Geriatric Populations.* Poster presentation. 4th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 25, 2013

Greene P, **Bulloch MN.** *Evaluation of Explicit Tools Used to Assess Medication Appropriateness and Safety in Geriatric Populations.* Poster presentation. 4th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 25, 2013

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2013 (4 medical students, 3 pharmacy students)

Bulloch MN. *Managing Multiple Medications: Understanding hyperpharmacotherapy in geriatrics.* 1 hour Continuing education presentation. 4th Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 24, 2014

Bulloch MN, Sundar V. *Acute iodine toxicity from a suspected oral methamphetamine ingestion.* Poster presentation. Society of Critical Care Medicine 42nd Critical Care Congress. San Juan, Puerto Rico. January 20-22, 2013

Barnes B, **Bulloch MN.** *Use of Implicit Criteria to Determine Appropriateness of Medication in Geriatric Populations.* Poster presentation. American Society of Health-System Pharmacists Midyear Meeting Midyear Clinical Meeting. Las Vegas, Nevada. December 2012

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. October 2012 (3 medical students, 2 pharmacy students)

Bulloch MN. *Evaluating your geriatric patients' medications .* Department of Family Medicine. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. September 27, 2012

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. September 2012 (4 medical students)

Bulloch MN. *Evaluating Medication Appropriateness in the Elderly.* 2 hour Continuing education program. Alabama Pharmacy Association Annual Conference. Destin, Florida June 26, 2012

Bulloch MN. *Clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* Faculty Scholars Program live session. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. June 1, 2012

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. May 2012 (4 medical students, 2 pharmacy students)

Bulloch MN. Englebrecht Wheat J. *Drug-induced delirium from a suspected drug-drug interaction between promethazine and ketorolac.* Poster Presentation. University of Alabama College of Community Health Sciences Research Day. Tuscaloosa, Alabama, April 2012

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2012 (4 medical students, 2 pharmacy students)

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2012 (7 medical students, 2 pharmacy students, 1 pharmacy resident)

Bulloch MN. *There's a Pill for That (But should my Elderly Patient be Taking It?); clinical tools available to help evaluate the appropriateness of pharmacotherapy in geriatric patients.* 1 hour continuing education presentation. 3rd Annual Interdisciplinary Geriatric Education Conference. University of Alabama-Birmingham Geriatric Education Center. Birmingham, Alabama. January 20, 2012

Bulloch MN. *Sepsis and Septic Shock.* Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2011 (6 medical students, 2 pharmacy students)

Bell C, Hooker K, Eure A, Christian L, **Bulloch MN**. *Evaluating the use of acetaminophen at a community hospital*. Poster presentation. American Society of Health-System Pharmacists Midyear Meeting Midyear Clinical Meeting. New Orleans, Louisiana. December 2011

Bulloch MN. *Alcohol Withdrawal*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. November 2011

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. October 2011 (6 medical students, 2 pharmacy students)

Bulloch MN, Pinner NA, Eure S. *The Impact of a Simulation-Based Exercise on Knowledge Retention and Confidence Regarding Medication Use and Preparation for Medical Emergencies*. Poster Presentation. University of Alabama Institute for Rural Health Rural Health Conference. Tuscaloosa, Alabama, April 2011

Bulloch MN, Sundar V. *Acute iodine toxicity from a suspected oral methamphetamine ingestion*. Poster Presentation. University of Alabama College of Community Health Sciences Research Day. Tuscaloosa, Alabama, April 2011

Bulloch MN, Pinner NA, Eure S. *The Impact of a Simulation-Based Exercise on Knowledge Retention and Confidence Regarding Medication Use and Preparation for Medical Emergencies*. Poster Presentation. University of Alabama College of Community Health Sciences Research Day. Tuscaloosa, Alabama, April 2011

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. March 2011 (4 medical students)

Bulloch MN. *Bisphosphonates*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. January 2011

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. January 2011 (5 medical students, 2 pharmacy students)

Bell C, **Bulloch MN**. *Inpatient Use of Laxatives*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. January 2011

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2010 (5 medical students, 2 pharmacy students)

Bulloch MN, Pinner NA, Eure S. *The Impact of a Simulation-Based Exercise on Knowledge Retention and Confidence Regarding Medication Use and Preparation for Medical Emergencies*. Poster presentation. American College of Clinical Pharmacy Annual Meeting. Austin, Texas, November 2010

Bulloch MN. *ASHP Midyear and The Match*. Professional Development Series seminar to P4 students and DCH pharmacy practice residents. Harrison School of Pharmacy, Auburn University. Tuscaloosa, Alabama. November 2010

Bulloch MN. *Post-graduate Pharmacy Training*. Professional Development Series seminar to P4 students and DCH pharmacy practice residents. Harrison School of Pharmacy, Auburn University. Tuscaloosa, Alabama. September 2010

Bulloch MN. *Potentially Inappropriate Pharmacotherapy in the Geriatric Patient*. Accreditation Council for Pharmacy Education and Alabama Board of Pharmacy accredited continuing education program. Auburn University Harrison School of Pharmacy Summer Consultant Update and Therapeutics Conference. Auburn, Alabama. July 2010

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. July 2010 (6 medical students)

Bulloch MN, Pinner NA, Eure S. *ACLS Workshop for Pharmacists*. Alabama Board of Pharmacy accredited continuing education program. Tuscaloosa, Alabama. 24 June 2010

Bulloch MN, Pinner NA, Eure S. *ACLS Workshop for Pharmacists*. Alabama Board of Pharmacy accredited continuing education program. Tuscaloosa, Alabama. 22 June 2010

Bulloch MN, Pinner NA, Eure S. *ACLS Workshop for Pharmacists*. Alabama Board of Pharmacy accredited continuing education program. Tuscaloosa, Alabama. 10 June 2010

Bulloch MN, Pinner NA, Eure S. *ACLS Workshop for Pharmacists*. Alabama Board of Pharmacy accredited continuing education program. Tuscaloosa, Alabama. 3 June 2010

Bulloch MN, Pinner NA, Eure S. *ACLS Workshop for Pharmacists*. Alabama Board of Pharmacy accredited continuing education program. Tuscaloosa, Alabama. 20 May 2010

Bulloch MN. *Sepsis and Septic Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. May 2010 (5 medical students, 2 pharmacy students)

The Best of Both Worlds: Incorporating Research into Your Clinical Practice. Education and Training PRN Business Session. American College of Clinical Pharmacy Spring Practice and Research Forum. Charlotte, North Carolina. April 2010. Roundtable Facilitator.

Bulloch MN. *Therapeutics of Shock*. Didactic lecture presentation to family medicine residents. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. April 2010

Bulloch MN. *Antibiotic Review*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. April 2010

Bulloch MN. *Palliative Care. Overview and Care of Non-Pain Symptoms*. Accreditation Council for Pharmacy Education accredited continuing education program. Alabama Society of Health System Pharmacists Continuing Education Program. Tuscaloosa, Alabama. April 2010

Lawrence C, **Bulloch MN**. *CLL Medications*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. March 2010

Bulloch MN. *Introduction to Inpatient Prophylaxis Medicine*. Morning report lecture to medical clerkship students, P4 pharmacy students, pharmacy resident, and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. February 2010 (1 attending, 6 medical student, 2 pharmacy students, 2 medical residents, 1 pharmacy resident)

Bulloch MN. *Therapeutics of Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. February 2010 (5 medical students, 2 pharmacy students, 1 pharmacy resident)

Bulloch MN. *Opioid Induced Constipation*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. February 2010

Bragg B, **Bulloch MN**. *Overview of Diabetes Medications*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. January 2010

Bulloch MN. *Therapeutics of Shock*. Didactic lecture presentation to M3 students on Internal Medicine Clinical Rotation. University of Alabama School of Medicine-Tuscaloosa Campus. Tuscaloosa, Alabama. December 2009 (4 students)

Bulloch MN. *ASHP Midyear and Post-graduate training*. Professional Development Series seminar to P4 students and DCH pharmacy practice residents. Harrison School of Pharmacy, Auburn University. Tuscaloosa, Alabama. November 2009

Bulloch MN. *Locating Evidence-Based Medicine*. Morning report lecture to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. October 2009

Bulloch MN. *The Pharmacotherapy of Headaches*. In-service presentation to medical clerkship students and medical house staff. DCH Regional Medical Center. Tuscaloosa, Alabama. September 2009

Bulloch MN. *Palliative Care I. Overview and Supportive Care*. Accreditation Council for Pharmacy Education accredited continuing education program. West Virginia Pharmacists CE Conference. Charleston, West Virginia. May 2009

Bulloch MN, Morreale C. *The correlation between fluoroquinolone usage and subsequent nosocomial Clostridium difficile*. Poster presentation. Eastern States Pharmacy Residency Conference. Hershey, Pennsylvania. April 2009

Bulloch MN. *Therapeutics of Shock*. Didactic lecture presentation to P2 students in Cardiovascular Therapeutics course. University of Charleston School of Pharmacy. Charleston, West Virginia. March 2009

Bulloch MN. *Therapeutics of Attention Deficit/Attention Deficit Hyperactivity Disorder*. Didactic lecture presentation to P3 students in Neuropsychiatry Therapeutics course. University of Charleston School of Pharmacy. Charleston, West Virginia. March 2009

Bulloch MN. *Stress Ulcer Prophylaxis*. In-service presentation to medical house staff. Charleston Area Medical Center. Charleston, West Virginia. January 2009

Bulloch MN, Hatcher M. *Analysis of Nurse Verification Labels on Heparin and Insulin Infusion Bags in a SICU and CICU Setting*. Poster presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Orlando, Florida. December 2008

Bulloch MN. *Sulfonylurea-Induced Hypoglycemia*. Case presentation to clinical pharmacy specialists and residents. Charleston Area Medical Center. Charleston, West Virginia. October 2008

Bulloch MN. *Vasopressor Use in Shock*. In-service presentation to medical house staff. Charleston Area Medical Center. Charleston, West Virginia. September 2008

Bulloch MN, Hatcher M. *Analysis of Nurse Verification Labels on Heparin and Insulin Infusion Bags in a SICU and CICU Setting*. Platform presentation. Southeastern Pharmacy Residency Conference Athens, Georgia. May 2008

Bulloch MN. *Drug Fever*. Clinical presentation to clinical pharmacists and students. University of Alabama-Birmingham Hospital. Birmingham, Alabama. April 2008

Bulloch MN. *Hypertension and Hypertensive Crisis*. Clinical presentation to clinical pharmacists and students. University of Alabama-Birmingham Hospital. Birmingham, Alabama. April 2008

Bulloch MN. *Antibiotic Overview*. Clinical presentation to clinical pharmacists and students. University of Alabama-Birmingham Hospital. Birmingham, Alabama. April 2008

Bulloch MN. *Immunization Update*. Clinical presentation to clinical pharmacists and students. University of Alabama-Birmingham Hospital. Birmingham, Alabama. January 2008

Bulloch MN. *Beta-Lactam Allergy and Desensitization*. Alabama Board of Pharmacy accredited continuing education presentation to pharmacy department and students. University of Alabama-Birmingham Hospital. Birmingham, Alabama. November 2007

Bulloch MN, Olin JL. *Formation of a Student-Initiated Academia Advanced Practice Experience Clerkship*. Poster presentation. American Association of Colleges of Pharmacy Annual Meeting. Orlando, Florida. July 2007

Bulloch MN. *Cardiovascular Therapeutics*. Didactic presentation for nurse practitioner students. Radford University. Radford, Virginia. February 2007

Bulloch MN, Hughes F. *Insulin Infusion Compliance in a Medical Intensive Care Unit Setting*. Poster presentation. American Society of Health-System Pharmacists Midyear Meeting Midyear Clinical Meeting. Anaheim, California. December 2007

Bulloch MN. *The Many Uses of Plavix*. Clinical presentation to pharmacy faculty and students. Hunterdon Medical Center. Flemington, New Jersey. Dec 2006

Bulloch MN. *Heart Failure*. Patient case review for P2 students in Cardiopulmonary Therapeutics course. Rutgers, the State University of New Jersey. Piscataway, New Jersey. November 2006

Bulloch MN. *Palliative and End of Life Care.* Didactic lecture presentation to P3 students. Gerontology Pharmacy Practice course. Rutgers, the State University of New Jersey. Piscataway, New Jersey. October 2006

Bulloch MN. *Osteoporosis.* Didactic lecture presentation to P3 students. Gerontology Pharmacy Practice course. Rutgers, the State University of New Jersey. Piscataway, New Jersey. October 2006

Bulloch MN. *Hyperlipidemia.* Patient case review for P2 students in Cardiopulmonary Therapeutics course. Rutgers, the State University of New Jersey. Piscataway, New Jersey. October 2006

Bulloch MN. *When Medications Make You Sad: Substance Induced Depression.* Clinical presentation to senior center. Hunterdon Medical Center. Flemington, New Jersey. October 2006

Bulloch MN. *Post-Traumatic Stress Disorder.* In-service presentation pharmacy department. Patterson Army Health Clinic. Fort Monmouth, New Jersey. August 2006

Bulloch MN. *Insulin Infusion Protocols in the Medical ICU.* Journal club presentation to pharmacy faculty and students. Robert Wood Johnson University Hospital, New Brunswick, New Jersey. July 2006

Bulloch MN. *Ischemic Stroke.* Case presentation to pharmacy faculty and students. Robert Wood Johnson University Hospital, New Brunswick, New Jersey. July 2006

Bulloch MN, Hughes F. *Insulin Infusion Compliance in a Medical Intensive Care Unit Setting.* Poster presentation. New Jersey Society of Health-System Pharmacists Annual Meeting. New Brunswick, New Jersey. April 2006

Bulloch MN, Hughes F. *Experience versus Protocol: A Survey of Intensive Care Nurse Use and Compliance of an Insulin Infusion Protocol.* Poster presentation. New Jersey Society of Health-System Pharmacists Annual Meeting. New Brunswick, New Jersey. April 2006

Bulloch MN, Cimoch J. *The New Jersey Society of Health-System Pharmacists at Rutgers University.* Poster presentation. American Society of Health-System Pharmacists Midyear Meeting Midyear Clinical Meeting Student Society Showcase. Las Vegas, Nevada. December 2005

Bulloch MN. *The Effectiveness of an Insulin Infusion Protocol in a Medical ICU Setting.* Clinical presentation to the Diabetes Task Force. Robert Wood Johnson University Hospital, New Brunswick, New Jersey. April 2005

RESEARCH

Hill M, **Bulloch MN**. Evaluation of herbal remedy studies on efficacy in infectious diseases. Harrison School of Pharmacy, Auburn University. March 2018- present (Faculty advisor)

Talbot T, **Bulloch MN**. *Evaluation of clinical guidelines for geriatric specific recommendations*. Harrison School of Pharmacy, Auburn University. January 2017- May 2018 (Faculty advisor)

Keeton A, Connor, A, Rahmann MM, Qian J, **Bulloch MN**. *Evaluation of potentially inappropriate medications prescribed for older adults in an acute care setting*. August 2014 – present (Faculty Advisor)

Rahmann MM, **Bulloch MN**, Qian J, Garza K, Hansen R. *Prevention of COPD Exacerbation Events by Treating COPD in Older Adults*. 2014 – 2015 (Faculty Advisor)

Paumen L, Stewart G, Eure S, **Bulloch MN**. *The Impact of Targeting Higher Vancomycin Trough Levels on the Incidence of Vancomycin-Induced Acute Kidney Injury*. April 2014 – 2017 (Faculty advisor)

Campbell K, Singleton A, Bice T, Phillippe H, **Bulloch MN**. *Recommendations for Geriatrics in Clinical Guidelines*. Harrison School of Pharmacy, Auburn University. May 2014- 2015 (Faculty advisor)

Hutchison AM, **Bulloch MN**, Fox BI, Williamson MA, Stevenson TL. *Geriatric sensitivity training to improve student pharmacist attitudes and perceptions on aging*. Harrison School of Pharmacy, Auburn University. June 2013-present (Co-Primary Investigator)

Center of Excellence in Pain Education. University of Alabama-Birmingham, Birmingham, Alabama. June 2012-2016 (Faculty Participant)

Sivaraman B, Gist N, Parton J, **Bulloch MN**. *The impact of the Joint Commission pneumonia core measure on antibiotic use and selection*. Harrison School of Pharmacy, Auburn University and DCH Regional Medical Center. Tuscaloosa, Alabama. May 2012-2016 (Principle Investigator)

Bulloch MN, Pinner NA, Eure S. *The impact of a hands-on exercise on confidence and knowledge regarding preparation of medications used during medical emergencies*. Harrison School of Pharmacy, Auburn University and DCH Regional Medical Center. Tuscaloosa, Alabama. January 2010-January 2011 (Principle Investigator)

Bulloch MN, Morreale C. *The Correlation Between Fluoroquinolone Usage and Subsequent Nosocomial Clostridium difficile*. Charleston Area Medical Center. Charleston, West Virginia. November 2008-2009 (Investigator)

Bulloch MN, Hatcher M. *Analysis of Nurse Verification Labels on Heparin and Insulin Infusion Bags in a SICU and CICU Setting*. University of Alabama-Birmingham Hospital. Birmingham, Alabama. October 2007-May 2008. (Principle Investigator)

Bulloch MN, Hughes F. *Insulin Infusion Compliance in a Medical Intensive Care Unit Setting*. Robert Wood Johnson University Hospital, New Brunswick, New Jersey. January 2005-May 2005. (Principle Investigator)

FUNDING

Hutchison AM, **Bulloch MN**, Fox BI, Stevenson TL Daniel F. Breeden Endowed Grant: *Geriatric sensitivity training to improve student pharmacist attitudes and perceptions on aging*. Auburn University, Auburn, Alabama. June 1, 2013-April 31, 2014

PUBLICATIONS

Bulloch MN, Study: Rate of opioid-related deaths increasing in patients with HIV. *Pharmacy Times*. March 2019. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2019/03/study-rate-of-opioidrelated-deaths-increasing-in-patients-with-hiv>

Bulloch MN, Whitmore R, Whisenant D. Opioid prescribing limits across states. *Pharmacy Times*. February 2019. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2019/02/opioid-prescribing-limits-across-the-states>

Bulloch MN. A novel treatment for Parkinsons Disease. *Pharmacy Times*. January 2019. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2019/01/a-novel-treatment-for-parkinson-disease>

Bulloch MN. Inhaled Parkinson Disease drug may signal new era of alternative treatment options. *Specialty Pharmacy Times*. January 2019. <https://www.specialtypharmacytimes.com/news/inhaled-parkinson-disease-drug-may-signal-new-era-of-alternative-treatment-options>

Bulloch MN. Lucus L. Arthritis: A seemingly simple condition where pharmacists can have a big impact. *Pharmacy Times*. December 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/12/arthritis-a-seemingly-simple-condition-where-pharmacists-can-have-a-big-impact>

Bulloch MN. New antiviral could be a game changer for flu season *Pharmacy Times*. October 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/10/new-antiviral-could-be-a-game-changer-for-flu-season>

Bulloch MN. Potential role for prazosin in alcohol use disorder. *Pharmacy Times*. October 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/10/potential-role-for-prazosin-in-alcohol-use-disorder>

Bulloch MN, Bachtle A, Allgood R, Shuman K. How oxycodone has contributed to the opioid epidemic. *Pharmacy Times*. August 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/08/how-oxycodone-has-contributed-to-the-opioid-epidemic>

Bulloch MN, Shuman K. The Evolution of the PDMP. *Pharmacy Times*. July 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/07/the-evolution-of-the-pdmp>

Bulloch MN, Bachtle A. Diarrhea: a new indication contributing to the opioid epidemic? *Pharmacy Times*. July 2018. <https://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/07/diarrhea-a-new-indication-contributing-to-the-opioid-epidemic>

Bulloch MN The effectiveness of enteral nutrition as stress ulcer prophylaxis remains uncertain. *J Crit Care*. 2018;45:251-252

Bulloch MN, Patterson A, Davis S. The treatment of acute hyponatremia with tolvaptan. *American Research Journal of Pharmacy*. 2018;2(1):1-5

Bulloch MN, Winegardner JE. End-of-Life Care. In: *Medical Issues in the ICU (2018)*. American College of Clinical Pharmacy. *Critical Care self-assessment program*. Kansas City, MO.: ACCP, 2018. 2018

Bulloch MN. New classification standards will highlight National Rosacea Month. *Pharmacy Times*. March 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/03/new-classification-standards-will-highlight-national-rosacea-month>

Bulloch MN. Managing and preventing influenza with antivirals: information that may not be familiar. *Pharmacy Times*. March 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/03/managing-and-preventing-influenza-with-antivirals-information-that-may-not-be-familiar->

Bulloch MN, Davis MK. The role of a pharmacist in managing sleep disorders. *Pharmacy Times*. March 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/03/the-role-of-a-pharmacist-in-managing-sleep-disorders>

Bulloch MN. New treatment guidelines for Clostridium Difficile. *Pharmacy Times*. February 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/02/new-treatment-guidelines-for-clostridium-difficile>

Bulloch MN. Opioids may boost pneumococcal infection risk. *Pharmacy Times*. February 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/02/opioids-may-boost-pneumococcal-infection-risk>

Bulloch MN, Wren C. Love educating patients during American Heart Month. *Pharmacy Times*. February 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/02/heart-a-pharmacist-during-american-heart-month>

Bulloch MN Sellars, M. Pharmacists play a role in managing thyroid conditions. *Pharmacy Times*. January 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/01/pharmacists-play-a-role-in-managing-thyroid-conditions>

Bulloch MN. Oscillococcinum: What a Pharmacist Should Know During Flu Season. *Pharmacy Times*. January 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/01/oscillococcinum-what-a-pharmacist-should-know-during-flu-season>

Bulloch MN, Vines S. A Pharmacist's Role in HIV Awareness. *Pharmacy Times*. January 2018. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2018/01/a-pharmacists-role-in-hiv-awareness>

Bulloch MN, Speakman L. Pharmacists Play a Key Role in Diabetes Management. *Pharmacy Times*. November 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/11/pharmacists-play-a-key-role-in-diabetes-management>

Bulloch MN, Robinson C, Vawters C. New Drugs Introduced in 2017: Part 5 Osteoporosis, Neurology, and Pain Management. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/new-drugs-introduced-in-2017-part-5-osteoporosis-neurology-and-pain-management>

Bulloch MN, Robinson C, Vawters C. New Drugs Introduced in 2017: Part 4 Immunology, Infection, and Musculoskeletal Disease. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/new-drugs-introduced-in-2017-part-4-immunology-infection-and-musculoskeletal-disease>

Bulloch MN, Robinson C, Vawters C. New Drugs Introduced in 2017: Part 3 Genetic Diseases, Hematology, and Liver Disease. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/new-drugs-introduced-in-2017-part-3-genetic-diseases-hematology-and-liver-disease>

Bulloch MN, Robinson C, Vawters C. New Drugs Introduced in 2017: Part 2 Endocrinology and Gastroenterology. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/new-drugs-introduced-in-2017-part-2-endocrinology-and-gastroenterology>

Bulloch MN, Robinson C, Vawters C. New Drugs Introduced in 2017: Dermatology. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/new-drugs-introduced-in-2017-dermatology>

Bulloch MN. The role of rivaroxaban in stable cardiovascular disease. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/the-role-of-rivaroxaban-in-stable-cardiovascular-disease>

Bulloch MN. Caton S. Looking to the past and the future during American Pharmacists Month. *Pharmacy Times*. October 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/10/celebrating-american-pharmacists-month>

Bulloch MN, Hanna C, Giovane R. Lumacaftor/ivacaftor, a novel agent for the treatment of cystic fibrosis patients who are homozygous for the F580del CFTR mutation. *Expert Rev Clin Pharmacol* 2017;10(10):1055-1072

Bulloch MN, Squires C. September is national pain awareness month. *Pharmacy Times*. September 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/09/september-is-pain-awareness-month>

Bulloch MN, Cheikhali Z. August is national immunization awareness month. *Pharmacy Times*. August 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/08/august-is-national-immunization-awareness-month>

Bulloch MN, Cheikhali Z, Lee, M, Hamrick L. An aspirin a day may actually keep the doctor away. *Pharmacy Times*. July 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/07/an-aspirin-a-day-may-actually-keep-the-doctor-away->

Bulloch MN. New Generation Cephalosporins. *Pharmacy Times; Health Systems Edition*. July 2017. <http://www.pharmacytimes.com/publications/health-system-edition/2017/july2017/newgeneration-cephalosporins>

Bulloch MN, Hamrick L. July is National Ultraviolet Awareness Month. *Pharmacy Times*. July 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/07/july-is-national-ultraviolet-awareness-month>

Bulloch MN, Lee M. June Is Alzheimer's Disease and Brain Awareness Month: What's The Pharmacist's Role? *Pharmacy Times*. June 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/06/june-is-alzheimers-disease-and-brain-awareness-month-whats-the-pharmacists-role>

Bulloch MN. VTE Prevention in Acutely Ill Hospitalized Adults: What You Need to Know. *Pharmacy Times*. June 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/06/vte-prevention-in-acutely-ill-hospitalized-adults-what-you-need-to-know>

Bulloch MN, Paumen L, Eure S, Stewart JG. Impact of higher target vancomycin trough levels on incidence of vancomycin-induced acute kidney injury. *Infectious Diseases in Clinical Practice*. 2017;25:203-208

Bulloch MN, Stokes A, Blackmon MC. Don't be an oblivious drug dealer: Part II. *Pharmacy Times*. April 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/04/dont-be-an-oblivious-drug-dealer-part-2>

Bulloch MN, Stokes A, Blackmon MC. Don't be an oblivious drug dealer: Part I. *Pharmacy Times*. April 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/04/dont-be-an-oblivious-drug-dealer-part-1>

Bulloch MN. Tips for ranking residency programs. *Pharmacy Times*. February 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/02/tips-for-ranking-residency-programs>

Bulloch MN. New Surviving Sepsis Guidelines released. *Pharmacy Times*. January 2017. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/01/new-surviving-sepsis-guidelines-released>

Bulloch MN, Wright S, Vasquez DK. Pharmacists can help overcome challenges in care transitions. *Pharmacy Times*. January 2017 <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2017/01/pharmacists-can-help-overcome-challenges-in-care-transitions->

Bulloch MN, Arnold S. Apixaban-induced hemorrhage into an emphysematous bulla. *Crit Care Med*. 2016;S44:1956

Griffiths C, **Bulloch MN,** Hamilton L, Nei S. Clinical pharmacy and pharmacology section recruitment exchange: three years in the making. *Crit Care Med*. 2016;S44:924

Bulloch MN, Meyar B, Henry S. Evaluation of Clinical Trials Including Geriatric Patients in the Treatment of Hypertensive Emergencies. *Crit Care Med*. 2016;S44:206

Bulloch MN, Cutcliff A, Stringberg A, Atkins C. As Naloxone Accessibility Increases, Pharmacist's Role Expands. *Pharmacy Times*. October 2016. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/10/as-naloxone-accessibility-increases-pharmacists-role-expands>

Bulloch MN, White K, Chappell K. Updated Therapeutic Approach to Community and Nosocomial Pneumonia. *Pharmacy Times*. September 2016. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/09/updated-therapeutic-approach-to-community-and-nosocomial-pneumonia>

Bulloch MN, Riley Z. Latest advancements in antimicrobial therapy. *Pharmacy Times*. August 2016. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/08/latest-advancements-in-antimicrobial-therapy>

Bulloch MN. Pharmacists neglecting their duty to counsel. *Pharmacy Times*. July 2016 <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/07/pharmacists-neglecting-their-duty-to-counsel>

Bulloch MN. Hanna C. New Strategies for opioid stewardship. *Pharmacy Times*. June 2016. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/06/new-strategies-for-opioid-stewardship>

Dixit D, Endicott J, Burry L, Ramos L, Yeung SY, Devabhakthuni S, Chan C, Tobia A, **Bulloch MN**. Management of Acute Alcohol Withdrawal Syndrome in Critically Ill Patients. *Pharmacotherapy*. 2016;36:797-822

Bulloch MN, Baccas JT, Arnold S. Clindamycin-induced hypersensitivity reaction. *Infection*. 2016;44:357-359

Bulloch MN. Medicaid prescription drug coverage could get cut. *Pharmacy Times*. April 2016. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2016/04/medicaid-prescription-drug-coverage-could-get-cut>

Bulloch MN, Tapley NG, Sivaraman B, Parton JM. Impact of The Joint Commission Pneumonia Core Measure on antibiotic use and selection for community-acquired pneumonia in the emergency room. *Hospital Pharmacy*. 2016;51:134-141

Bulloch MN, Stuart MK, Mills S. Knock Out Pneumococcal Disease: Understanding Vaccination Recommendations. *Pharmacy Times*. December 2015. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2015/12/knock-out-pneumococcal-disease-understanding-vaccination-recommendations>

Bulloch MN Willis B, Garrett A, Guice R. Abuse-Deterrent Opioids: A primer for Pharmacists. *Pharmacy Times*. 2015. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2015/10/abuse-deterrent-opioids-a-primer-for-pharmacists>

Pitzing ZK, Boland WJ, **Bulloch MN**. The pharmacist role in palliative care. *Alabama Pharmacy*. Fall 2015;60-64

Bulloch MN, Hodel A, Johnston W, Muns S. "Hypertension in Older Adults" The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. <http://courses.cme.uab.edu/mod/lesson/view.php?id=880>

Bulloch MN, Posey M, Childers N. Navigating new COPD Medications. *Pharmacy Times*. 2015. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2015/09/navigating-new-copd-medications>

Bulloch MN. Could Codeine Replace Oxycodone for Outpatients in Pain? *Pharmacy Times*. 2015. <http://www.pharmacytimes.com/contributor/marilyn-bulloch-pharmd-bcps/2015/07/could-codeine-replace-oxycodone-for-outpatients-in-pain>

Findley LR, **Bulloch MN**. Relationship Between Nonsteroidal Anti-inflammatory Drugs and Fall Risk in Older Adults. *The Consultant Pharmacist*. 2015;30(6);346-351

Bulloch MN. The Battle Over Balanced Fluids: Do We Know Enough to Fight for a Certain Resuscitation Crystalloid in Sepsis? *Crit Care Med*. 2015;43:e155-e156

Mohammad RA, **Bulloch MN**, Chan J, Deming P, Love B, Smith L, Dong BJ. Provision of clinical pharmacist services for individuals with chronic Hepatitis C viral infection. Joint opinion of the GI/Liver/Nutrition and Infectious Diseases Practice and Research Networks of the American College of Clinical Pharmacy. *Pharmacotherapy*. 2014;34:1341-1354. Doi:10.1002/phar.1512

Bulloch MN. Acute iodine toxicity from a suspected oral methamphetamine ingestion. *Clinical Medicine Insights: Case Reports*. 2014;7:127-129. Doi:10.4137/CCRep.S20086

Bulloch MN, Olin JL. Instruments for evaluating medication use and prescribing in older adults. *J Am Pharm Assoc*. 2014; 54:530-537. doi:10.1331/JAPhA.2014.13244

Onabogu BC, **Bulloch MN**, Onabogu UD. "Safety Consideration Regarding Over-the-Counter Medication Use in Older Adults." The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. http://www.alabamacme.uab.edu/courses/Geriatric/OTC_Medications/EM-14731.asp August 2014.

Hutchison AM, **Bulloch MN**, Fox BI, Williamson MA, Stevenson TL. Impact of geriatric sensitivity training on student pharmacist attitudes and perceptions of aging. American Association of Colleges of Pharmacy Annual Meeting and Seminars; 2014 July 26-30; Grapevine, TX. *AJPE* 2014; 78(5):Article 111:12

Bulloch MN, Pinner NA, Eure S. The impact of a hands-on exercise on confidence and knowledge regarding preparation of medications used during medical emergencies. *Currents in Pharmacy Teaching and Learning*. 2013;5(6):600-610

Bulloch MN, Morris T. "Evaluating Medication Use in Older Adults: Implicit Tools" The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. http://www.alabamacme.uab.edu/courses/Geriatric/Medication_Use/ID0520.asp June 2013.

Bulloch, MN. Incorporation of Fluoroquinolones in the Tuberculosis Treatment Regimen. *International Journal of Medical and Biological Frontiers*. 2013;19(1):1-24

Bulloch MN, May C, Morreale CA. The Emerging Role of Fluoroquinolones in the Treatment of Tuberculosis (2013). In Berhardt LV (ed). *Advances in Medicine and Biology* (Volume 64) (pp.165-188). Hauppauge, NY. Nova Science Publishers, Inc.

Bulloch MN, Hutchison AM. Fentanyl pectin nasal spray: a novel intranasal delivery method for the treatment of breakthrough cancer pain. *Expert Rev Clin Pharmacol*. 2013 Jan;6(1):9-22. doi: 10.1586/ecp.12.69.

Bazzell A, Casey C, **Bulloch MN**. USP Proposes Standards for Prescription Container Labels to Help Reduce Medication Misuse and Promote Better Patient Understanding. *Alabama Pharmacy*. Winter (December) 2012;26-27

Bulloch MN, Engelbrecht JD, Wheat J. (2012) Drug-induced delirium from a suspected drug-drug interaction between promethazine and ketorolac. *Int J Clin Pharmacol Tox*. 2012;1:301

Bulloch MN, Carrol DG. When One Drug Affects 2 Patients: A Review of Medication for the Management of Nonlabor-Related Pain, Sedation, Infection, and Hypertension in the Hospitalized Pregnant Patient. *J Pharm Prac*. June 2012;25:352-367 first published on April 27, 2012 as doi:10.1177/0897190012442070

Shaneyfelt T, **Bulloch M**, Link D, Brown H. "Hypertension in the Elderly" The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. <http://www.alabamacme.uab.edu/geriatrics.aspx>. October 2011.

Bulloch MN, Elayan MM, Renfroe HR. Sipuleucel-T: a therapeutic cancer vaccine for the treatment of castration- or hormone-refractory prostate cancer. *Expert Rev Clin Pharmacol* 2011;4(6):685-692

Sullivan JL, **Bulloch MN**. Ulipristal acetate: a new emergency contraceptive. *Expert Rev Clin Pharmacol* 2011;4(4):417-427

Bulloch MN. The treatment of pulmonary *Wangiella dermatitidis* infection with oral voriconazole. *J Clin Pharm Therapeu* 2011;36:412-415

Bulloch MN, Pinner NA. Tolvaptan: a vasopressin antagonist for the management of euvolemic and hypervolemic hyponatremia. *Expert Rev Clin Pharmacol* 2010;3(5):601-612. DOI:10.1586/ecp.10.45

Novell MJ, Morreale CA. The Relationship Between Inpatient Fluoroquinolone Use and *Clostridium difficile*–Associated Diarrhea. *Ann Pharmacother* 2010;44:826-831. DOI 10.1345/aph.1M696

Novell, M, Colaizzi JL. The New Jersey Pharmacy Practice Act: How a law can influence the evolution of a profession. *NJ J Pharm*. 2004;78(2):11-16.

PEER REVIEW, EDITORIAL, AND ADVISORY DUTIES

- | | |
|------|---|
| 2018 | Peer Reviewer. <i>Pharmacotherapy First</i> . American Pharmacists Association |
| 2018 | Peer Reviewer. <i>American Journal of Pharmacy Education</i> |
| 2017 | Peer Reviewer. <i>Currents in Pharmacy Teaching and Learning</i> |

2017 **Peer Reviewer.** *Clinical Pharmacist*

2017 **Peer Reviewer.** *Clinical Medicine Insights: Case Reports*

2017 **Peer Reviewer.** *Journal of Clinical Pharmacy and Therapeutics*

2016 **Abstract Peer Reviewer.** National Academies of Practice

2015 - present **Peer Reviewer.** *Journal of the American Pharmacists Association*

2014 - present **Peer Reviewer.** *Clinical Therapeutics*

2014 - present **Peer Reviewer.** *Clinical Medicine Insights: Therapeutics*

2014 - present **Peer Reviewer.** *PLOS-1*

2014 - present **Peer Reviewer.** *Clinical Medicine Insights: Geriatrics*

2013 - present **Peer Reviewer.** *International Journal of Clinical Pharmacy*

2013 - present **Peer Reviewer.** *Journal of Pain Research*

2013 - present **Peer Reviewer.** *Journal of Gerontology & Geriatric Research*

2013 **Abstract Peer Reviewer.** American Geriatrics Society

2012 - 2016 **Editorial Board.** Center For Excellence in Pain Education. University of Alabama-Birmingham

2012 - 2016 **Editorial Board.** Interdisciplinary Geriatric Education Modules. University of Alabama-Birmingham Geriatric Education Center

2012 - present **Peer Reviewer** *Hospital Pharmacy*

2012 - present **Peer Reviewer.** *Annals of Pharmacotherapy*

2012 - present **Peer Reviewer.** *Integrated Pharmacy Research and Practice*

2012 - present **Peer Reviewer.** *Clinical Pharmacology: Advances and Applications*

2012 - present **Peer Reviewer.** *Clinical Interventions in Aging*

2012 - present **Peer Reviewer.** *Advances in Medical Education and Practice*

- 2012 - 2013 **Editorial Board.** *International Journal of Clinical Pharmacology and Toxicology*
- 2011 - present **Abstract Peer Reviewer.** American Association of Colleges of Pharmacy.
- 2011 - present **Abstract Peer Reviewer.** Society of Critical Care Medicine
- 2011 - 2013 **Advisory Board.** *Specialty Pharma Journal*
- 2010 - present **Advisory Board.** *International Journal of Pharmaceutical and Biological Archive*
- 2011 - present **Peer Reviewer.** *Clinical Therapeutics*
- October 2011 **Conflict of Interest Resolution Reviewer.** Pharmacotherapy Self-Assessment Program (7th ed). Primary Care in HIV. *Women and Men's Health* (Book 9).
- May 2010 **Conflict of Interest Resolution Reviewer.** Pharmacotherapy Self-Assessment Program (7th ed). Controversies in Women's and Men's Health. *Infectious Disease* (Book 3).
- 2009 **Peer Reviewer.** *South African Journal of Chemistry.*

PRACTICE SITE CONTRIBUTIONS

Vaccination Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. October 2014

Skin and Soft Tissue Infection Pocket Cards. Management of Cirrhosis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. September 2014

Opioid Analgesics Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. November 2013.

Influenza and Pneumococcal Vaccination Pocket Cards. Management of Cirrhosis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. October 2013

Management of Cirrhosis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. July 2013

Management of Alcohol Withdrawal Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. June 2013

Sedation, Analgesia, and Delirium Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. March 2013

Surviving Sepsis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. March 2013

Management of Acute Pain Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. June 2012.

Treatment of Cirrhosis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. March 2012.

Treatment of Pneumonia Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. December 2011.

Analgesics Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. September 2011.

Antidepressant Medication Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. February 2011

Antifungal Medication Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. December 2010

Gastrointestinal Medication Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. August 2010.

Pain Management Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. July 2010.

Stress Ulcer and DVT Prophylaxis Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. June 2010.

Antibiotic Pocket Cards. DCH Regional Medical Center and University of Alabama School of Medicine. Tuscaloosa, Alabama. April 2010.

Drug Class Review: Pulmonary Arterial Hypertension. Charleston Area Medical Center. Charleston, West Virginia. August 2008

Intravenous Chlorothiazide Medication Usage Evaluation. University of Alabama-Birmingham Hospital. Birmingham, Alabama. March 2008

Pyxis® Critical Override Project. University of Alabama-Birmingham Hospital. Birmingham, Alabama. November 2007

Baclofen Pump Failure Protocol. University of Alabama-Birmingham Hospital. Birmingham, Alabama. October 2007

Guidelines for Use: Protease Inhibitors. University of Alabama-Birmingham Hospital. Birmingham, Alabama. September 2007

Guidelines for Use: Non-Nucleoside Reverse Transcriptase Inhibitors. University of Alabama-Birmingham Hospital. Birmingham, Alabama. September 2007

New Product Summary: Ambrisentan. University of Alabama-Birmingham Hospital. Birmingham, Alabama. September 2007

Medication Safety Review: Tacrolimus (Protopic®) ointment. University of Alabama-Birmingham Hospital. Birmingham, Alabama. September 2007

PROFESSIONAL MEMBERSHIPS

- | | |
|----------------|---|
| 2016- present | American College of Critical Care Medicine |
| 2010 - 2016 | American Association of Colleges of Pharmacy |
| 2010 - present | Alabama Pharmacy Association |
| 2008 - present | Society of Critical Care Medicine |
| 2008 - present | American College of Clinical Pharmacy |
| 2007 - present | National Scholars Honor Society |
| 2005 - present | Rho Chi Academic Honor Society in Pharmacy |
| 2004 - present | Phi Lambda Sigma Professional Pharmacy Leadership Society |
| 2004 - present | Cap and Skull Senior Honor Society, Rutgers, the State University of New Jersey |
| 2002 - present | Phi Delta Chi Professional Pharmacy Fraternity |

HONORS/AWARDS/SCHOLARSHIP

- | | |
|------|---|
| 2017 | The Auburn University Harrison School of Pharmacy Hargreaves Faculty Mentor Award |
| 2017 | Fellow. American College of Critical Care Medicine |

2016	The Auburn University Harrison School of Pharmacy Preceptor of Excellence Award
2015	Society of Critical Care Medicine Presidential Citation Award
2014	Society of Critical Care Medicine Presidential Citation Award
2014	Cardinal Health Generation Rx Champions Award
2013	The Auburn University Harrison School of Pharmacy Preceptor of Excellence Award
2010	Academic Keys Who's Who in Pharmacy Higher Education
2007	New Jersey Pharmacists Association Pat Gervase Award
2007	NJSHP Leadership Award
2006	Rutgers Pharmacy Alumni Association Scholarship
2006	AACP Wal-Mart Student/Faculty Annual Conference Scholarship Annual Meeting and the AACP Teachers Seminar, San Diego CA
2006	NJSHP Dean Sciarrone Student Award
2004	Rutgers Pharmacy Class of 1936 Scholarship
2003	National Deans List
2002	National Deans List
2001	Legion of Valor Bronze Cross of Achievement

LICENSURES, CERTIFICATIONS, AND OTHER TRAINING

2013 - 2016	Alabama Board of Pharmacy Consultant Pharmacist
2011 - present	Society of Critical Care Medicine Fundamental Critical Care Support Course Associate Instructor
January 2010 - July 2011	University of Alabama-Birmingham Geriatrics Education Center Faculty Scholars Program
2009 - present	Board Certified Pharmacotherapy Specialist

2009 - present NCPA Respiratory Care Certification

2008 - present West Virginia Pharmacist License # RP0007154

2008 - 2015 Advanced Cardiac Life Support

2008 - 2012 Pediatric Advanced Life Support

2007 - present American Pharmacists Association Pharmacy-Based Immunization Certification

2007 - present Alabama Pharmacist License # 15543

2007 - present Virginia Pharmacist License # 0202207988

2000 – 2003 Virginia Emergency Medical Technician