

## **ROBERT S. HELMER II, PHARM.D, BCPS**

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### **EDUCATION AND TRAINING**

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- July 2010 – June 2012      **Pharmacotherapy Residency (24-month) ASHP-Accredited**  
*University of Tennessee College of Pharmacy*  
*University of Tennessee Medical Center, Knoxville, Tennessee*  
Program Director: Shaunta' M. Ray, PharmD, BCPS
- August 2010 – June 2012      **Pharmacy Residency Teaching & Learning Certificate**  
*University of Tennessee College of Pharmacy, Knoxville, Tennessee*
- August 2006 – May 2010      **Doctor of Pharmacy**  
*First Honor Graduate*  
*South Carolina College of Pharmacy- MUSC Campus*  
Charleston, South Carolina
- August 2004 – May 2006      **Pre-Pharmacy**  
*College of Charleston, Charleston, South Carolina*

### **PROFESSIONAL APPOINTMENTS AND EXPERIENCES**

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- July 2019 – present      **Assistant Director of Experiential Programs – Mobile Campus**  
*Experiential Programs Office*  
*Auburn University Harrison School of Pharmacy, Mobile, Alabama*  
Director: Lynn Stevenson, PharmD
- January 2020 – present      **Associate Clinical Professor**  
*Department of Pharmacy Practice*  
*Auburn University Harrison School of Pharmacy, Mobile, Alabama*  
Supervisor: Scott Penzak, PharmD
- July 2012 – December 2019      **Assistant Clinical Professor**  
*Department of Pharmacy Practice*  
*Auburn University Harrison School of Pharmacy, Mobile, Alabama*  
Supervisor: Scott Penzak, PharmD
- October 2012 – present      **Adjunct Assistant Professor**  
*Department of Internal Medicine*  
*University of South Alabama College of Medicine, Mobile, Alabama*  
Supervisor: Errol Crook, MD
- July 2011 – June 2012      **Chief Pharmacy Resident**  
*University of Tennessee Medical Center, Knoxville, Tennessee*  
Supervisor: Kim C. Mason, PharmD
- July 2010 – June 2012      **Clinical Instructor**

University of Tennessee Health Science Center, College of Pharmacy  
Knoxville, Tennessee

August 2006 – May 2010

**Pharmacy Intern**

Publix Pharmacy, Mount Pleasant, South Carolina

**CERTIFICATIONS / LICENSURES**

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October 2020 – present	Pharmacy-based Immunization Delivery Certification American Pharmacists Association
December 2012 – present	Board Certified Pharmacotherapy Specialist Certification BPS# 3120764
August 2012 – present	Alabama Board of Pharmacy Pharmacist Licensure Alabama License: 17174
July 2010 – present	Tennessee Board of Pharmacy Pharmacist Licensure Tennessee License: 34398

**TEACHING EXPERIENCES**

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***Auburn University Harrison School of Pharmacy; Mobile, Alabama***

***Group Facilitation & Active Learning Settings***

Integrated Learning Experience 6 (ILE 6): Endocrine Module, PYPD 9250/9256; 6 credit hours  
Content Expert/Presenter  
Fall 2019, Fall 2020, Fall 2021  
Diabetic Ketoacidosis/Hyperosmolar Hyperglycemic State

Integrated Learning Experience 4 (ILE 4): Infectious Diseases Module, PYPD 9230/9236; 6 credit hours  
Unit Creator  
Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022  
Principles of Empiric versus Targeted Antibiotic Therapy  
Antimicrobial Stewardship  
Skin and Soft Tissue Infections

Integrated Learning Experience 8 (ILE 8): Cardiovascular Module, PYPD 9270/9276; 6 credit hours  
Content Expert/Presenter  
Spring 2020  
Acute Coronary Syndromes/Stable Ischemic Heart Disease

Integrated Learning Experience 10 (ILE 10): PYPD 9290/9296; 6 credit hours  
Unit Creator  
Fall 2019  
Liver Cirrhosis  
Hepatitis C

Integrated Learning Experience (ILE 1) Workshop I: Drug Information Resources, PYPD 9400/9406; 1 credit hour  
Unit Creator  
Fall 2017, Fall 2018

Tertiary Literature  
Consumer Health Information

Pharmacy Practice Experience (PPE), PYDI 9090/9190, 9290/9390, 9490/9590; 1 credit hour; SC (Single campus)

Fall 2012 – Fall 2018, 17-20 students/school year (P1/P2/P3)

Spring 2013 – Spring 2019, 16-20 students/school year (P1/P2/P3)

Integrated Pharmacotherapy (IP), PYDI 9470/9480/9570/9580; 6 credit hours; P3 students; PBL (Problem-based learning)

Case Facilitator

Block 4; January 2013, 8 students

Block 6; April 2013, 7 students

Block 3; October 2013, 8 students

Block 4; January 2014, 8 students

Block 2; September 2014, 8 students

Block 5; February 2015, 7 students

Block 2; September 2015, 8 students

Block 5; February 2016, 8 students

Block 3; October 2016, 8 students

Block 1; August 2017, 8 students

Case Author and Resource Session Presenter

Chronic Heart Failure; case co-author (Spring 2013, Spring 2014, Spring 2015)

Cirrhosis; case author (Spring 2016, Spring 2017)

Cirrhosis and Hepatitis C; case author (Spring 2018, Spring 2019)

Contemporary Aspects of Pharmacy Practice VI (CAPP), PYDI 9520; 2 credit hours; P3 students; Skills lab  
Spring 2013 – Spring 2019, Health Literacy and Cultural Competency; 137 – 152 students/year

Professional Seminar; PYPP 9690; 1 credit hour; P4 students Platform presentation mentor  
Spring 2013 – Spring 2017; 22 students mentored

Special Problems Elective; PYDI 9960; 2 credit hour; P4 students; Research mentor  
Spring 2014; 2 students

Acute Care Pharmacotherapy; PYDI 9780/9786; 2 credit hour; P3 students; instructor/facilitator  
Spring 2015 – Spring 2018; Pain, agitation, and delirium (31-45 students/year)

**Experiential Education**

APPE in Adult Internal Medicine, PYPP 9620, 5 credit hours; University of South Alabama University Hospital

SY 2012 – 2014	2 students
SY 2013 – 2014	13 students
SY 2014 – 2015	14 students
SY 2015 – 2016	14 students
SY 2016 – 2017	13 students
SY 2017 – 2018	14 students
SY 2018 – 2019	10 students
SY 2019 – 2020	10 students
SY 2020 – 2021	10 students
SY 2021 – 2022	12 students

Clinical IPPE in Adult Internal Medicine, PYPD 9180, 1 credit hour; University of South Alabama University Hospital

SY 2019 – 2020	3 students
SY 2020 – 2021	5 students
SY 2021 – 2022	5 students

Adult Internal Medicine Rotation for Post-Graduate Year-1 Residency Programs

Ozanam Charitable Pharmacy  
2014 1 resident

Mobile Infirmary Medical Center  
2014 - 2018 6 residents

Univ. of South Alabama Family Medicine Pharmacy Fellowship  
2018 1 fellow

Univ. of South Alabama University Hospital PGY-1 Pharmacy Residency  
2021 2 residents

**University of Tennessee College of Pharmacy; Knoxville, Tennessee**

**Course Coordinator**

Course Co-Coordinator, Drug – Induced Diseases Elective, PHCY 353  
Spring 2012, 30 students (P4)

**Lecture-Based**

Therapeutics VI, PHCY 312, ~158 students (P3), 4 credit hours; (Distance Learning = DL)  
Fall 2011; Multiple Sclerosis, 2 contact hours

Medication Therapy Management, PHSC 223, ~ 158-180 students (P2), 3 credit hours; DL  
Spring 2011, Spring 2012; Diabetes Mellitus Lecture, 1 contact hour  
Spring 2011, Spring 2012; Diabetes Mellitus Recitation, 2 contact hours (Team Based Learning=TBL)

**Small-Group Lectures & Active Learning**

Applied Therapeutics II, PHCY 313, 5-7 students (P2/P3), 2 credit hours; SC  
Patient Case Facilitator, Fall 2011, 2 contact hours/week  
Patient Case Facilitator, Spring 2012, 2 contact hours/week

Drug – Induced Diseases Elective, PHCY 353, 24-30 students (P3/P4), 2 credit hours; SC  
Drug – Induced Psychiatric Disorders  
Spring 2011, Spring 2012, 2 contact hours (TBL)

Ambulatory Care Elective, PHCY 348, 18-26 students (P3/P4), 2 credit hours; SC  
Management of Asthma  
Fall 2011, 2 contact hours (TBL)  
Spring 2012, 2 contact hours (TBL)

**Preceptor**

Medicine I, PHCY 400, University of Tennessee Medical Center  
2011 6 students (co-preceptor)

## **PROFESSIONAL SERVICE AND COMMITTEE APPOINTMENTS**

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### National Service

#### ***ACCP Annual Meeting; Clinical Reasoning Series in Pharmacotherapy***

Programming Director; 2019

#### ***ACCP Education and Training Practice and Research Network (PRN)***

Programming Committee; 2018 – 2020

Communications Committee; 2014 – 2017

Chair; 2016 – 2017

Vice- chair; 2015 – 2016

Finance Committee; Vice-chair: 2013 – 2015

#### ***ACCP Adult Medicine Practice and Research Network (PRN)***

Walk Rounds Committee; 2013 – 2014

### Regional Service

#### ***Alabama Society of Health-System Pharmacist (ALSHP)***

Education Committee; 2017 – present

Research and Scholarship Committee; 2017 – present

Membership Committee; 2014 – 2017

Chair; 2015 – 2017

#### ***Bay Area Hospital Pharmacy Society (BAHPS)***

Secretary; 2015 – 2016

### Local Service

#### ***Auburn University Harrison School of Pharmacy; Mobile, Alabama***

Experiential Education Learning Community; 2015 – present

Chair; 2017 – 2019

Leadership Forum; 2020 – present

Alumni Affairs Advisory Board; 2020 – present

Scholarship of Teaching and Learning Review Panel; 2020 -present

Associate Dean for Academic Programs Search Committee; 2021 – present

Learning Community I

Workshop Teaching Team; 2016 – 2018

COPD Teaching Team Liaison; 2017 – 2018

Pharmacy Practice Mobile Curricular Coordinator Search Committee; 2019

Pharmacy Practice Department Head Search Committee; 2017 – 2018

Professional Education Committee; Steering Committee; 2017 – 2018

Pharmacy Practice Faculty Search Committee; 2012 – 2021

Chair; 2016

Vice-chair; 2013 – 2014

Mobile Region APPE Regional Coordinator; 2013 – 2017

APhA-ASP Faculty Advisor; 2012 - 2019

Admissions Committee; 2012 – 2014

#### ***University of South Alabama Health University Hospital PGY-1 Residency Program; Mobile, Alabama***

Residency Advisory Committee; 2020 – present

Residency Investigational Sub-committee; 2021 – present

**Mobile Infirmiry Medical Center PGY1 Residency Program; Mobile, Alabama**

Residency Advisory Committee; 2015 – 2019

**Ozanam Charitable Pharmacy and AUHSOP PGY1 Residency Program; Mobile, Alabama**

Residency Advisory Committee; 2013 – 2014

**University of Tennessee College of Pharmacy; Knoxville, Tennessee**

Residency and Fellowship Coordinating; 2011 – 2012

**University of Tennessee Medical Center; Knoxville, Tennessee**

Resident Education Committee; 2011 – 2012

Residency Program Director Committee; 2011 – 2012

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**PUBLICATIONS/MANUSCRIPTS**

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**Peer-Reviewed**

McDowell L, **Helmer R**, Stevenson TL, Sierko A, Braxton-Lloyd K. Clinical impact of a community pharmacy-based health and wellness introductory pharmacy practice experience. *JAPhA*. 2022;63(1): 63-70. Published ahead of print: 12 October 2021. DOI:<https://doi.org/10.1016/j.japh.2021.10.008>

**Helmer RS**, Helmer AM, Smithgall S. Dual antiplatelet tx for stroke prevention: worth the risk? *J Fam Pract*. 2020;69(6):272-279.

**Helmer RS**, Scalese MJ. Up for debate: re-envisioning the journal club with an article-centric student debate. *Innovations in Pharmacy*. 2018;9(4):Article 9.

Wheeler JS, Ray SM, Barger Stevens A, **Helmer RS**, Franks AS. Development and implementation of an interdisciplinary pulmonary clinic in a family medicine residency program. *Am J Health-Syst Pharm*. 2015;72: 1844-1847.

Treadway SA, **Helmer RS**, Farland MZ, Ray SM. A pilot study to assess patient adherence to new chronic medications following the use of a novel adherence tool and individualized counseling. *J Pharmacy Technology*. 2015;31(6):253-257

**Helmer RS**, Ray SM, Byrd DC. Perceptions of the incorporation of health literacy in pharmacy training programs. *J Am Pharm Assoc*. 2013;53(5):475-481.

Ray SM, **Helmer RS**, Barger Stevens A, Franks AS, Wallace LS. Clinical utility of the chronic obstructive pulmonary disease knowledge questionnaire. *Family Medicine*. 2013;45(3):197-200.

Ray SM, McMillen JC, Treadway SA, **Helmer RS**, Franks AS. Indacaterol – a novel long-acting  $\beta_2$ -agonists. *Pharmacotherapy*. 2012;32:456-474.

**Non Peer-Reviewed**

Partlow C, Silar N, **Helmer RS**. AUC-based vancomycin monitoring: the learning curve for area-under-the curve. *InPharmative Quarterly*. 2021;7(2):7-10.

Steadman E, **Helmer RS**. The spice of life: synthetic cannabinoids and the chaos they create. *InPharmative Quarterly*. 2018;4(1):1-4.

**Helmer RS**. Indacaterol – an ‘ultra long’ acting  $\beta_2$ -agonist. ACCP Adult Medicine Practice and Research Network Newsletter. 2011;6(2): 3.

## RESEARCH

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### ***Extramural Funded Research-in-Progress***

A Shot for Alabama (ASFA): A comprehensive plan to increase COVID-19 vaccine acceptance, awareness, and access within Alabama's rural, underserved communities and among racial minorities. June 2021 – present

Co-Principal Investigators: Braxton-Lloyd K, Bulloch M, Durham S.

Co-Investigators: **Helmer R**, Stevenson L, Westrick S, Ulmer M.

Co-Collaborators: Norton R.

Funding Agency: Alabama Department of Public Health

Funding Amount: \$250,000

### ***Intramural Funded Research-in-Progress***

Impact of student pharmacists providing remote telehealth population health services in a required introductory pharmacy practice experience course. Jan 2021 – present.

Principal Investigator: McDowell L.

Co-investigators: Braxton-Lloyd K, Stevenson L, **Helmer R**, Gamston C, Stamm P.

Funding Agency: 2021 Daniel F. Breeden Endowed Grant Program, Auburn University.

Funded Amount: \$4000

### ***Non-funded Research-in-Progress***

Use of albumin in patients with end-stage liver disease experiencing acute kidney injury.

Investigators: Helmer RS, Holmes A, Beech W

Site: Univ. of South Alabama University Hospital; Auburn University Harrison School of Pharmacy (Summer 2021 – present)

Progress: Protocol development and IRB submission

Clinical and educational impact of a health and wellness introductory pharmacy practice experience in the community pharmacy setting

Investigators: McDowell L, **Helmer R**, Stevenson L, Braxton-Lloyd K

Site : Auburn University Harrison School of Pharmacy (Fall 2020 – present)

Progress: Clinical manuscript accepted by APhA 2021. Educational manuscript in progress.

Use of vitamin K in cirrhosis-induced coagulopathy

Investigators: **Helmer R**, Durant A

Site: University of South Alabama; Auburn University Harrison School of Pharmacy (Fall 2020 – present)

Progress: Manuscript-in-progress Fall 2021

### ***Research***

Oseltamivir and reduction of major adverse cardiovascular events in influenza diagnosed patients.

Investigators: Smithgall S, **Helmer R**, Slater N, Partlow C

Site: University of South Alabama; Auburn University Harrison School of Pharmacy (Spring 2018 – Fall 2020)

Attitudes and prevalence regarding ADHD stimulant use in academia: A cross-sectional study

Investigators: **Helmer R**, Jungnickel P, Johnson W, Dolbeare K

Site: University of South Alabama; Auburn University Harrison School of Pharmacy (May 2014 – May 2016)

Assessment of health literacy awareness among pharmacy residents.

Investigators: **Helmer R**, Ray S, Byrd D

Site: University of Tennessee College of Pharmacy (August 2011 – January 2013)

Assessment of the relationships between chronic obstructive pulmonary disease knowledge and patient outcomes.

Investigators: **Helmer R**, Ray S, Wallace L, Barger Stevens A, Franks A

Site: University of Tennessee College of Pharmacy; University of Tennessee Graduate School of Medicine, Department of Family Medicine (August 2010 – June 2011)

Assessment of patient adherence to new chronic medications following the use of a novel adherence tool and individualized counseling.

Investigators: Treadway S, Ray S, **Helmer R**, Farland M

Site: University of Tennessee College of Pharmacy; University of Tennessee Graduate School of Medicine, Department of Family Medicine (October 2008 – April 2015)

## **PRESENTATIONS**

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### ***National Presentations***

Trying something new: Novel approaches to teaching critical literature analysis. ACPE-approved Continuing Education (ACPE# 0204-0000-18-214-L04-P; 1.25hr CE). American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2-6, 2018. Anaheim, California.

### ***Regional Presentations***

Leading your learners with layered learning. Piedmont Columbus Regional PGY-1 Pharmacy Residency Program Preceptor Development. 1 hour CE. August 2021.

Piece of cake? Finding the sweet spot in layered learning. ACPE-approved Continuing Education. AUHSOP Fall Preceptor Continuing Education Program (ACPE# 0001-0000-20-065-H03-P; 1hr CE). September 2020.

Therapeutic update: new and emerging therapies for hepatitis C. ACPE-approved Continuing Education (ACPE# 0001-0000-15-020-L01-P; 1hr CE). AUHSOP Fall CE Program: Focus on Infectious Diseases. Mobile, Alabama. November 2015.

Treat the patient, not the number: managing hypertension in the inpatient setting. ACPE-approved Continuing Education (ACPE# 0001-0000-14-017-L01-P; 1hr CE). AUHSOP Fall 2014 CE Program; Therapeutic Issues in Ambulatory Patients. Mobile, Alabama. October 2014.

Pink puffers, blue bloaters, and the GOLD-en rules: a review of COPD treatment. ACPE-approved Continuing Education (ACPE# 0172-0000-13-026-L01-P; 1hr CE). ALSHP December CE Conference 2013. Birmingham, Alabama. December 2013.

Stress-ulcer prophylaxis: friend or foe? Tennessee Society of Health-System Pharmacists Midyear Meeting. Nashville, Tennessee. February 2012.

Assessment of health literacy awareness among pharmacy residents. Southeastern Residency Conference (SERC). Athens, Georgia. April 2012.

Descriptive analyses of COPD knowledge, outcomes, and patient demographics. Southeastern Residency Conference (SERC). Athens, Georgia. April 2011.

### ***Poster Presentations***



**Helmer RS**, Durant A. Impact of vitamin K administration on international normalized ratio and bleeding in patients with liver cirrhosis. Alabama Society of Health-System Pharmacists Summer Meeting. Pensacola, FL. June 2021.

McDowell L, Stevenson L, **Helmer B**, Sierko A, Braxton-Lloyd K. Designing a health and wellness IPPE to reinforce student pharmacist skills and enhance patient care. AACP Annual Meeting 2021 (virtual). July 2021.

Partlow C, **Helmer R**, Smithgall S, Slater N. Does oseltamivir reduce major adverse cardiovascular events (MACE) in influenza-positive patients? ASHP Midyear Clinical Meeting and Exhibition. December 2020. Virtual Meeting.

Partlow C, **Helmer R**, Smithgall S, Slater N. Does oseltamivir reduced major adverse cardiovascular events in influenza-positive patients? Poster presented at American College of Clinical Pharmacy Annual Meeting 2019. October 26-29. New York, NY

**Helmer RS**, Helmer AM, Scalese MJ. Medical trainee perceptions of clinical pharmacists. Poster presented at Alabama Society of Health-System Pharmacists Summer Meeting. June 11 – 13, 2017. Destin, FL.

Francis J, Cook A, Helmer AM, Scalese MJ, **Helmer RS**. Impact of dual-interface pharmacist-led medication reconciliation on diabetes-related outcomes. Poster presented at American College of Clinical Pharmacy Annual Meeting. October 7-10, 2017. Phoenix, AZ.

Ezell E, **Helmer R**, Meyer A, Scalese M. Assessment of medical trainee perceptions toward pharmacy faculty. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 6-10, 2015. New Orleans, Louisiana.

Johnson WR, Dolbeare KA, **Helmer RS**, Jungnickel PW. Perceptions of health professions students towards attention deficit hyperactivity disorder (ADHD) stimulant use for academic enhancement. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 7-11, 2014. Anaheim, California.

Dolbeare K, Johnson W, **Helmer R**, Jungnickel P. Attitudes and prevalence regarding prescription stimulant use among pre-health and health professions students: A cross-sectional study. Poster presented at American College of Clinical Pharmacy Annual Meeting. October 12-15, 2014. Austin, Texas.

Huot S, Jernigan M, Treadway SA, **Helmer R**, Allen J. Evaluation of an empiric guideline-recommended weight-based vancomycin dosing protocol in critically ill patients at a tertiary care facility. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 8-12, 2013. Orlando, Florida.

Patanella J, Allen J, Treadway SA, **Helmer R**, Jernigan M. Vancomycin use in adult-medicine patients: validation of a weight-based vancomycin dosing protocol in a tertiary care facility. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 8-12, 2013. Orlando, Florida.

Bradley D, Armstrong EM, Treadway S, **Helmer R**, Meyer A. Implementation of medication therapy management services in a charitable pharmacy. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 8-12, 2013. Orlando, Florida.

Huot S, Jernigan M, Treadway SA, **Helmer R**, Patanella J, Allen J. Assessment of a weight-based vancomycin dosing protocol in critically ill patients. Poster presented at American College of Clinical Pharmacy Annual Meeting. October 13-16, 2013. Albuquerque, New Mexico.

Patanella J, Allen J, Treadway SA, **Helmer R**, Huot S, Jernigan M. Assessment of a weight-based vancomycin dosing protocol in adult medicine patients. Poster presented at American College of Clinical Pharmacy Annual Meeting. October 13-16, 2013. Albuquerque, New Mexico.

**Helmer RS**, Ray SM, Byrd DC. Assessment of health literacy awareness among pharmacy residents. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 4-8, 2011. New Orleans, Louisiana.

Wheeler JS, Ray SM, **Helmer RS**, Franks AS. Does pharmacist-provided disease state and inhaler device education improve patient satisfaction in patients with chronic obstructive pulmonary disease (COPD)? Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 4-8, 2011. New Orleans, Louisiana.

Germann ZB, Ray SM, **Helmer RS**, Farland MZ. Comparison of high and low potency statin therapy on COPD outcomes. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 4-8, 2011. New Orleans, Louisiana.

**Helmer RS**, Treadway SA, Farland MZ, Ray SM. Use of an adherence estimator and individualized counseling for new chronic medication prescriptions. Poster presented at American College of Clinical Pharmacy Annual Meeting. October 16-19, 2011. Pittsburgh, Pennsylvania.

**Helmer RS**, Ray SM, Franks AS, Wallace LS. Descriptive analyses of chronic obstructive pulmonary disease (COPD) knowledge, outcomes, and patient demographics. Poster presented at American Society of Health-System Pharmacists Midyear Clinical Meeting. December 5-9, 2010. Anaheim, California.

Lapointe M, Glace JJ, **Helmer RS**. Retrospective evaluation of blood pressure management during ischemic stroke. Poster presented at American College of Clinical Pharmacy Spring Practice and Research Forum. April 23-27, 2010. Charlotte, North Carolina.

### ***Selected Local Presentations***

Layered Learning in Pharmacy Practice. USA University Hospital PGY-1 Pharmacy Residency Preceptor Development. Mobile, AL. September 2021.

AUC-based vancomycin dosing: pharmacist education. USA University Hospital Protocol Training and Implementation. Mobile, AL. June 2021.

The use of insulin in the outpatient and inpatient settings. USAMC Internal Medicine Academic Half Day. Mobile, AL. March 2017.

A brief review of clinical infectious disease. USAMC Internal Medicine Noon Conference. Mobile, AL. August 2016.

Antiviral revolution: a therapeutic update on hepatitis C. ACPE-approved Continuing Education (ACPE# 0172-0000-16-010-L01-P; 1hr CE). BAHPS Quarterly CE Program. Mobile, Alabama. March 2016.

The use of insulin in the outpatient and inpatient settings. USAMC Internal Medicine Noon Conference. Mobile, AL. September 2015.

Clinical pearls of culture and susceptibility reports. USAMC Pharmacy In-service. Mobile, AL. July 2015.

The many hats of an academic pharmacist. Guest speaker; AUSSHP Chapter Meeting. Mobile, AL. September 2014.

Overview of diabetic foot infections. USAMC Pharmacy In-service. Mobile, AL. August 2014.

Complications of cirrhosis. USAMC Pharmacy In-service. Mobile, AL. July 2014.

Bugs and drugs in-service. USAMC Pharmacy In-service. Mobile, AL. June 2014.

Inpatient warfarin dosing primer. USAMC Pharmacy In-service. Mobile, AL. July 2013

P4 Biostatistics crash course. Auburn University Harrison School of Pharmacy. APPE Presentation. Mobile, AL. June 2013.

P4 Study design crash course. Auburn University Harrison School of Pharmacy. APPE Presentation. Mobile, AL. June 2013

ASHP Midyear and the pharmacy residency showcase: managing the mayhem. Auburn University Harrison School of Pharmacy P4 Residency Primer. Mobile, AL. May 2013.

Drugs, bugs, and more. University of Tennessee Family Medicine Morning Report. Knoxville, Tennessee. May 2012.

Health literacy: a missing piece in the demographic puzzle. University of Tennessee Family Medicine Grand Rounds. Knoxville, Tennessee. November 2011.

Ticagrelor versus clopidogrel in patients with acute coronary syndromes (PLATO). University of Tennessee Medical Center, Department of Pharmacy Journal Club. Knoxville, Tennessee. August 2011.

Stress-ulcer prophylaxis: friend or foe? University of Tennessee Family Medicine Morning Report. Knoxville, Tennessee. August 2011.

Fluoxetine for motor recovery after acute ischaemic stroke (FLAME). University of Tennessee Medical Center Department of Pharmacy Journal Club. Knoxville, Tennessee. March 2011.

Myxedema coma: a case study. University of Tennessee Medical Center Department of Pharmacy Case Presentation. Knoxville, Tennessee. February 2011.

Change management; fostering organizational (and personal) change in pharmacy practice. University of Tennessee Medical Center, Pharmacy Director's Meeting. January 2011.

Brainwash or brainpower: the effects of statins in Alzheimer's Disease. ACPE-approved Continuing Education Seminar (ACPE# 0064-0000-10-078-L01-P;1hr CE). Knoxville, Tennessee. December 2010.

Hepatorenal syndrome: a case study. University of Tennessee Medical Center Department of Pharmacy Case Presentation. Knoxville, Tennessee. October 2010.

Candiduria. University of Tennessee Family Medicine Morning Report. Knoxville, Tennessee. September 2011.

Osteoporosis Jeopardy. University of Tennessee Family Medicine Noon Conference. Knoxville, Tennessee. August 2010.

## **PROFESSIONAL ORGANIZATIONS**

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Bay Area Hospital Pharmacy Society (BAHPS)

2014 – present

Alabama Society of Health-Systems Pharmacists (ALSHP)	2013 – present
American Association of Colleges of Pharmacy (AACP)	2012 – 2015
American College of Clinical Pharmacy (ACCP)	2011 – present
Member, Adult Medicine Practice & Research Network	
Member, Education and Training Practice & Research Network	

**AWARDS / HONORS**

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Practitioner Poster Award, 2 <sup>nd</sup> place; ALSHP Summer Meeting	June 2021
Hargreaves Faculty Mentor Award	2018
Practitioner Poster Award, 2 <sup>nd</sup> place; ALSHP Summer Meeting	June 2017
Preceptor of Excellence Award, AUHSOP Mobile Region	2015, 2016
Rho Chi Honor Society	2008 – present