

## CURRICULUM VITAE

# Courtney S. Watts Alexander, Pharm.D., BCPS, BCOP

### PERSONAL

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### PROFESSIONAL

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## EDUCATION

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University of Florida, College of Pharmacy, Gainesville, FL Aug 2020–present  
Degree in progress: Master of Science in Pharmacy, Personalized Medicine

Auburn University, Harrison School of Pharmacy, Auburn, AL Aug 2009–May 2013  
Degree: Doctor of Pharmacy, Summa Cum Laude

The University of Alabama, College of Arts and Sciences, Tuscaloosa, AL Aug 2005–Dec 2008  
Degree: Bachelor of Science in Biology, Magna Cum Laude, University Honors Program

## POST-GRADUATE TRAINING

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St. Jude Children's Research Hospital, Memphis, TN Jul 2014–Jun 2015  
Position: PGY2 Oncology Pharmacy Resident, Pediatric Oncology  
Program Director: Jennifer L. Pauley, Pharm.D., BCPS, BCOP

The University of Texas MD Anderson Cancer Center, Houston, TX Jun 2013–Jun 2014  
Position: PGY1 Pharmacy Resident  
Program Director: Tami N. Johnson, Pharm.D., BCPS, FCCM

## PROFESSIONAL APPOINTMENTS & WORK EXPERIENCE

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<b>Auburn University, Harrison College of Pharmacy, Auburn, AL</b> <u>Title</u> : Assistant Professor, Department of Pharmacy Practice <u>Supervisor</u> : Scott Penzak, Pharm.D., FCP	Aug 2020–present
<b>Clinical Practice Sites:</b> Auburn University Pharmaceutical Care Center (AUPCC), Auburn, AL <u>Title</u> : Ambulatory Care Pharmacist, Clinical Pharmacogenomics	Aug 2020–present
Tuscaloosa Veterans Affairs Medical Center, Tuscaloosa, AL <u>Title</u> : Pharmacogenomics Clinical Pharmacy Specialist & Researcher <i>Remote via telehealth</i>	Mar 2021–present
<b>Appointments:</b> Graduate Faculty, Level 1	2020–present
<b>Senior Faculty Mentorship</b> Kimberly Braxton Lloyd, Pharm.D. Associate Dean for Clinical Affairs and Outreach Professor, Department of Pharmacy Practice	2020–present
Karen Marlowe, Pharm.D. Associate Dean for Academic Programs Professor, Department of Pharmacy Practice	2020–present
Muralikrishnan Dhanasekaran, M.Pharm., PhD Professor, Department of Drug Discovery and Development Faculty Mentor, 2020–present Pharm.D. Student Mentor, 2009–2013	2009–present
<b>University of South Carolina School of Medicine, Greenville, SC</b> <u>Title</u> : Affiliate Clinical Assistant Professor	Aug 2017–Jul 2020
<b>University of South Carolina College of Pharmacy, Greenville, SC</b> <u>Title</u> : Adjunct Assistant Professor	Jan 2016–Jul 2020
<b>Presbyterian College School of Pharmacy, Clinton, SC</b> <u>Title</u> : Clinical Preceptor	Aug 2017–Jul 2020
<b>Prisma Health – Upstate, Greenville, SC</b> <u>Title</u> : Clinical Pharmacy Specialist, Pediatric Hematology/Oncology <u>Supervising Pharmacist</u> : Lise Langston, Pharm.D. <u>Supervising Physician</u> : Nichole Bryant, M.D.	Jul 2015 – Jul 2020

<b>University of Tennessee College of Pharmacy</b> , Memphis, TN <u>Title</u> : Clinical Instructor, Department of Clinical Pharmacy	Oct 2014–Jun 2015
<b>St. Jude Children’s Research Hospital</b> , Memphis, TN <u>Title</u> : PGY2 Pediatric Oncology Pharmacy Resident <u>Supervisor</u> : Jennifer Pauley, Pharm.D., BCPS, BCOP	Jul 2014–Jun 2015
<b>The University of Texas MD Anderson Cancer Center</b> , Houston, TX <u>Title</u> : PGY1 Pharmacy Resident <u>Supervisor</u> : Tami N. Johnson, Pharm.D., BCPS, FCCM	Jun 2013–Jun 2014

## **DIDACTIC TEACHING EXPERIENCE**

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### AUBURN UNIVERSITY, HARRISON COLLEGE OF PHARMACY

#### DOCTOR OF PHARMACY PROGRAM

<b>Introduction to Pharmacogenomics</b> , PYPD XXXX, 1 credit hour Course Coordinator; Course Faculty <b>Fall 2022</b> ( <i>anticipated</i> ), 6-week elective, X P2/P3 student pharmacists (12 contact hours)	2022–present
<b>Integrated Learning Experience I</b> , PYPD XXXX, 6 credit hours Course Faculty; Kidney, Fluids, & Electrolytes Complex Patient Case (~150 P2 student pharmacists) <b>Fall 2022</b> ( <i>anticipated</i> ), Fluids & Electrolytes (6 contact hours)	2022–present
<b>Integrated Learning Experience VII</b> , PYPD 9260, 6 credit hours Course Faculty; HIV, STDs, and Fungal Complex Patient Case (~150 P2 student pharmacists) <b>Spring 2023</b> ( <i>anticipated</i> ), Antifungal Pharmacotherapy (3 contact hours)  <b>Spring 2022</b> , Antifungal Pharmacotherapy (3 contact hours)	2022–present

<p><b>Longitudinal Experience VI</b>, PYPD 9370/9376, 3 credit hours  Course Faculty; Innovation and Problem-Solving in Pharmacy Practice (~150 P3 student pharmacists)  <b>Spring 2023</b> (<i>anticipated</i>), Practice-Based Evidence in Pharmacy Practice, Pharmacogenomics (3 contact hours)</p> <p><b>Spring 2022</b>, Practice-Based Evidence in Pharmacy Practice, Pharmacogenomics (3 contact hours)</p> <p><b>Spring 2021</b>, Practice-Based Evidence in Pharmacy Practice, Pharmacogenomics (3 contact hours)</p>	<p>2020–present</p>
<p><b>Oncology Care Elective</b>, PYPD 9050, 1 credit hour  Course Faculty; Pediatric Oncology (1.5 contact hours), Medication Safety (0.5 contact hours)  <b>Spring 2023</b> (<i>anticipated</i>), traditional 6-week elective, X P3 student pharmacists</p> <p><b>Spring 2022</b>, traditional 6-week elective, 27 P2 student pharmacists</p> <p><b>Spring 2021</b>, 3-day synchronous workshop elective, 35 P2/P3 student pharmacist</p>	<p>2020–present</p>
<p><b>Integrated Learning Experience IX</b>, PYPD 9280, 6 credit hours  Course Faculty; Hematology/Oncology Complex Patient Case (~150 P3 student pharmacists)  <b>Fall 2022</b> (<i>anticipated</i>), Myelosuppression (2 contact hours); Acute Leukemia (2 contact hours); Chronic Leukemia (1 contact hour); Non-Hodgkin Lymphoma (2 contact hours); Hematopoietic Stem Cell Transplantation (1 contact hour)</p> <p><b>Fall 2021</b>, Myelosuppression (2 contact hours); Acute Leukemia (2 contact hours); Chronic Leukemia (1 contact hour); Non-Hodgkin Lymphoma (2 contact hours); Hematopoietic Stem Cell Transplantation (1 contact hour)</p> <p><b>Fall 2020</b>, Experiential Practice Discussion in Pediatric Oncology (1 contact hour)</p>	<p>2020 – present</p>

**Pharmacy Research Elective Experience**, PYPD 9980, 1 credit hour 2020 – present  
Course Faculty; Pharmacogenomics Research Elective Experience  
Fall 2022, 1 P2 student pharmacist  
Fall 2020, 1 P2 student pharmacist

**Practice Ready Curriculum Orientation**, PYPD 9000 2020  
Course Faculty; team-taught course (~150 P1 student pharmacists)  
Fall 2020, The Pharmacists' Patient Care Process (1 contact hour)

### Pre-doctorate Teaching Experiences

**Contemporary Aspects of Pharmacy Practice Laboratory** Jul–Dec 2012  
*Student facilitator for first, second, and third-year student pharmacist labs, including smoking cessation, insulin dosing, arterial blood gases, aseptic technique and sterile compounding, cough, cold, and allergic rhinitis OTC product selection, vital signs, medication history, new prescription counseling, and blood glucose testing.*

**Drugs and Diseases IV, PYDI 5300** Jan–May 2012  
*Student supplemental instructor to second-year student pharmacists for cardiovascular disease, infectious disease, oncology, gastrointestinal disease, and dermatology.*

**Drugs and Diseases III, PYDI 5200** Oct–Dec 2011  
*Private tutor for one second-year student pharmacist outside of regularly scheduled supplemental instruction.*

**Drugs and Diseases III, PYDI 5200** Aug–Dec 2011  
*Student supplemental instructor to second-year student pharmacists for topics including psychiatric diseases, immunology, hematology, pulmonary disease, endocrine disease, and renal disease.*

**Pharmaceutical Calculations Supplemental Instructor, PYDI 5120** Jan–May 2011  
*Student supplemental instructor to first-year student pharmacists for pharmaceutical calculations.*

**Drugs and Diseases I Supplemental Instructor, PYDI 5000** Aug–Dec 2010  
*Student supplemental instructor to first-year student pharmacists for topics including drug chemistry, targets of drug action, drug kinetics, and drug-induced diseases.*

## GRADUATE PROGRAMS

**Pharmacogenomics and Translational Research Methods Orientation,** 2021–present  
DRDD7960, 3 credit hours  
Course Faculty; Pharmacogenomics in Clinical Practice  
**Fall 2022** (*anticipated*), X graduate students (3 contact hours)  
**Fall 2021**, 6 graduate students (1.5 contact hours)

## UNIVERSITY OF SOUTH CAROLINA SCHOOL OF MEDICINE GREENVILLE

### DOCTOR OF MEDICINE PROGRAM

**Defenses and Responses Module (GMED G650)** 2018–2020  
Course Faculty; ~110 first-year medical students  
**Spring 2020**, Immune Modulators & Anti-inflammatory Medications (2 contact hours);  
Introduction to Immunopharmacology (1 contact hour)  
**Spring 2019**, Immune Modulators & Anti-inflammatory Medications (2 contact hours);  
Introduction to Immunopharmacology (1 contact hour)  
**Spring 2018**, Immune Modulators & Anti-inflammatory Medications (2 contact hours);  
Introduction to Immunopharmacology (1 contact hour)

**Musculoskeletal and Dermatological Systems Module (GMED G680)** 2018–2020  
Course Faculty; ~110 second-year medical students  
**Spring 2020**, Immune Modulators (2 contact hours);  
Dermatologic Pharmacology (2 contact hours)  
**Spring 2019**, Immune Modulators (2 contact hours);  
Dermatologic Pharmacology (2 contact hours)  
**Spring 2018**, Immune Modulators (2 contact hours);  
Dermatologic Pharmacology (2 contact hours)

**Endocrine and Reproductive Systems Module (GMED G695)** 2018–2020

Course Faculty; ~110 second-year medical students

**Spring 2020**, Breast Neoplastic Pharmacology (0.5 contact hour)

**Spring 2019**, Breast Neoplastic Pharmacology (0.5 contact hour)

**Spring 2018**, Breast Neoplastic Pharmacology (0.5 contact hour);  
Gonadal Hormones & Inhibitors (1 contact hour)

**Gastrointestinal/Hepatic Module (GMED G685)** 2020

Course Faculty; ~110 second-year medical students

**January 2020**, Nausea & Vomiting (1 contact hour);

Herbal Supplements & Nutraceuticals (1 contact hour)

**Hematology/Oncology Module (GMED G675)** 2017–2019

Course Faculty; ~110 second-year medical students

**Fall 2019**, Hematopoietic Agents (1 contact hour);

Antineoplastics III – Natural Products (1 contact hour);

Antineoplastics II – Antimetabolites (1 contact hour);

Antineoplastics I – Alkylating Agents (1 contact hour)

**Fall 2018**, Hematopoietic Agents (1 contact hour);

Antineoplastics III – Natural Products (1 contact hour);

Antineoplastics II – Antimetabolites (1 contact hour);

Antineoplastics I – Alkylating Agents (1 contact hour)

**Fall 2017**, Antineoplastics III – Natural Products (1 contact hour);

Antineoplastics IV – Targeted Therapies (1 contact hour)

**UNIVERSITY OF TENNESSEE COLLEGE OF PHARMACY**

**DOCTOR OF PHARMACY PROGRAM**

**Therapeutics III (PHCY 221)** 2015

Course Faculty; ~200 second-year student pharmacists

**Spring 2015**, Febrile Neutropenia (1 contact hour);

Glycopeptide Antibiotics (1 contact hour)

## UNIVERSITY OF HOUSTON COLLEGE OF PHARMACY

### DOCTOR OF PHARMACY PROGRAM

<b>Clinical Seminar (PHAR 5181)</b> Resident Evaluator	2014
<b>Advanced Therapeutics I (PHAR 5581)</b> Course Faculty; ~150 second-year student pharmacists <b>Fall 2013</b> , Peptic Ulcer Disease (1 contact hour)	2013
<b>Pharmacy Skills Program V (PHAR 5256)</b> Resident Facilitator; third-year student pharmacist skills lab <b>Fall 2013</b> , Dialysis, fluid and electrolyte disorders, acid-base disorders, and adrenal disorders.	2013

## **EXPERIENTIAL TEACHING EXPERIENCE**

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<b>Tuscaloosa Veterans Affairs Medical Center, Tuscaloosa, AL (remote)</b> PGY2 Psychiatric Pharmacy Residency Preceptor PGY2 Research Advisor <u>Topic</u> : Prevalence of Actionable Pharmacogenomic Phenotypes in Veterans with Major Depressive Disorder (MDD) Receiving Antidepressants <u>Resident</u> : Anisa Britt, Pharm.D.	2021–present  2021–2022
<b>Clinical Health Services, AUPCC, Auburn, AL</b> PGY1 Ambulatory Care Pharmacy Residency Preceptor PGY1 Research Advisor <u>Topic</u> : Preemptive pharmacogenomics in the optimization of pain management in the community pharmacy setting <u>Resident</u> : Andrea Latson-Chambers, Pharm.D.;	2020–present  2021–2022
PGY1 Longitudinal Pharmacogenomics Experience Preceptor Jennifer Le, Pharm.D. ( <i>anticipated</i> ) Morgan Jackson, Pharm.D. ( <i>anticipated</i> ) Holli Chandler, Pharm.D. ( <i>anticipated</i> ) Megan Carter, Pharm.D. ( <i>anticipated</i> ) Mafe Zmajevac, Pharm.D.	2022–present <i>Apr 2023–Jun 2023</i> <i>Jan 2023–Apr 2023</i> <i>Oct 2022–Jan 2023</i> <i>Aug 2022–Oct 2022</i> <i>Feb 2022–Mar 2022</i>



<b>Auburn University, Harrison College of Pharmacy, Auburn, AL</b>	2020–present
<u>Clinical Pharmacogenomics Preceptor; AUPCC</u>	
<i>APPE Direct Patient Care Selective Rotation, PYPD 9630/9650/9690, 5 credit hours (5-week rotation block)</i>	
APPE Block 6; 2 P4 student pharmacists ( <i>anticipated</i> )	Nov/Dec 2022
APPE Block 5; 2 P4 student pharmacists ( <i>anticipated</i> )	Oct/Nov 2022
APPE Block 4; 1 P4 student pharmacist ( <i>anticipated</i> )	Sep/Oct 2022
APPE Block 1; 2 P4 student pharmacists	May/June 2022
APPE Block 8; 1 P4 student pharmacist	Feb/Mar 2022
APPE Block 6; 1 P4 student pharmacist	Nov/Dec 2021
APPE Block 5; 1 P4 student pharmacist	Oct/Nov 2021
APPE Block 4; 1 P4 student pharmacist	Sep/Oct 2021
APPE Block 1; 1 P4 student pharmacist	May/June 2021
 <i>APPE Non-Direct Patient Care Elective Rotation, PYPD 9760/9680, 5 credit hours (5-week rotation block)</i>	
APPE Block 5; 1 P4 student pharmacist	Oct/Nov 2020
 <i>IPPE Clinical Rotation (1-week rotation block)</i>	
IPPE Clinical Block 2; 1 P3 student pharmacist	May 2022
IPPE Clinical Block 7; 1 P3 student pharmacist	June 2021
IPPE Clinical Block 6; 1 P3 student pharmacist	June 2021
 <u>AU Resident Teaching &amp; Learning Program Preceptor</u>	
<i>Teaching Activity Preceptor</i>	2020–present
Jacob Calahan, Pharm.D., PGY1 Pharmacy Resident, Huntsville Hospital (2 contact hours)	December 2020
<u>Topic:</u> Oncologic Emergencies	
<u>Topic:</u> Chemotherapy Toxicities	
 Gabriel Jones, Pharm.D., PGY2 Oncology Resident, Huntsville Hospital (2 contact hours)	December 2020
<u>Topic:</u> Oncologic Supportive Care	
<u>Topic:</u> Introduction to Hematopoietic Stem Cell Transplant	
 <i>Teaching Portfolio Preceptor</i>	2020–present
Alexandria Borden, Pharm.D., PGY1 Pharmacy Resident, Gulf Coast Veterans Health Care System	2020-2021

<b>Prisma Health – Upstate, Greenville, SC</b>	2015–2020
<u>PGY1 Pharmacy Residency Preceptor</u>	
<i>PGY1 Research Advisor</i>	2019–2020
<u>Topic:</u> Implementation of a vancomycin-specific pediatric dosing algorithm in a large academic medical center	
<u>Resident:</u> Chelsea Drennan, Pharm.D.	
 <i>PGY1 Pediatric Hematology &amp; Oncology Rotation</i>	2015–2020
(12 PGY1 resident rotations)	
Abigayle Campbell, Pharm.D., Nov 2019 (Inpatient)	
Chelsea Drennan, Pharm.D., Oct 2019 (Inpatient/Preceptorship)	
Chelsea Drennan, Pharm.D., Aug 2019 (Outpatient)	
Lisa Gibbs, Pharm.D., Nov 2018 (Inpatient)	
Kaci Foster, Pharm.D., Oct 2018 (Inpatient)	
Alyssa Gaietto, Pharm.D., Mar 2018 (Inpatient/Preceptorship)	
Alyssa Gaietto, Pharm.D., Nov 2017 (Inpatient)	
Caroline Cruce, Pharm.D., Jun 2017 (Inpatient)	
Sarah Joseph, Pharm.D., Oct 2016 (Inpatient)	
Jennifer Carter, Pharm.D., May 2016 (Inpatient)	
Kayla Lewis, Pharm.D., Apr 2016 (Inpatient)	
Bradley Yelvington, Pharm.D., Nov 2015 (Inpatient)	
 <i>PGY1 Pharmacy Resident Seminar Advisor</i>	2017–2020
<u>Topic:</u> Advances in the Management of Hemophilia A, Chelsea Drennan, Pharm.D.	Nov 2019
<u>Topic:</u> Oncologic Emergencies, Christina Beckert, Pharm.D.	Nov 2018
<u>Topic:</u> Applications of Clinical Pharmacogenomics, John Schoonover, Pharm.D.	Nov 2017
 <i>PGY1 Pharmacy Residency Program Advisor/Mentor</i>	2017–2020
Chelsea Drennan, Pharm.D., 2019 – 2020	
Alyssa Gaietto, Pharm.D., 2017 – 2018	
 <b>Presbyterian College School of Pharmacy, Clinton, SC</b>	2017-2020
Pediatric Hematology & Oncology APPE Rotation Preceptor	
6 fourth-year student pharmacists	

Palmetto Experiential Education Partnership, Greenville, SC  
Pediatric Hematology & Oncology APPE Rotation Preceptor  
10 fourth-year student pharmacists

2015–2020

Grand Rounds Advisor (SCCP 999)  
5 fourth-year student pharmacists

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## MENTORED RESEARCH - HARRISON COLLEGE OF PHARMACY

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- Oksana Buksa, Pharm.D. Candidate 2025 *Anticipated Fall 2022*
- Mattie Kilpatrick, Pharm.D. Candidate 2023 2021–present
- Raegan Willoughby, Pharm.D. Candidate 2023 2021–present
- Shelton Givens, Pharm.D. Candidate 2023 2021–2022
- Adrianna Reagan, Pharm.D. Candidate 2022 2020–2021
- Lauren Hart, Pharm.D. Candidate 2022 2020–2021
- Shahariar Mohammed Fahim, PhD 2022 2020–2022
- Will Adams, Pharm.D. Candidate 2023 Fall 2020

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## VILLAGE MENTORING - HARRISON COLLEGE OF PHARMACY

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Woodworth Village

2022–present

2022 – 2023

- Kurth, Meridian (P3)
- Ferguson, Alexandria (P3)
- Moreland, Alexis (P3)
- Chae, Lucy (P2)
- Waddell, Maddie (P2)
- Schundt, Westley (P2)

Apothecary Village

2020–2022

2021 – 2022

- Partridge, Alex (P3)
- Jackson, Jazmyne (P3)
- Schoenrock, William (P3)
- Basetty, Vindhya (P3)

- Wilber, Emily (P2)
- Hall, Riley (P2)
- Hale, Steven (P1)
- Sinnott, Mary Ellen (P1)

2020 – 2021

- Kirkland, Wyvolyn (P3)
- Partridge, Alex (P3)
- Jackson, Jazmyne (P2)
- Schoenrock, William (P2)
- Basetty, Vindhya (P2)
- Wilber, Emily (P1)
- Hall, Riley (P1)

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### FACULTY ADVISOR - HARRISON COLLEGE OF PHARMACY

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- Partridge, Alex 2021–2022

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### DISSERTATION COMMITTEE MEMBER - HARRISON COLLEGE OF PHARMACY

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DEPARTMENT OF HEALTH OUTCOMES RESEARCH AND POLICY

Name	Degree	Year	Position Obtained Upon Graduation
Shahariar Mohammed Fahim	Ph.D.	2020–2022	Research Lead, Institute of Clinical and Economic Review (ICER)

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### SCHOLARSHIP

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#### PEER-REVIEWED PUBLICATIONS (\*student author)

5. Kilpatrick MC\*, Givens SK\*, **Watts Alexander CS**. What is Precision Medicine? Physician Assist Clin. Pharmacology Issue. [*Accepted for publication Spring 2023*]
4. Lindsey W, **Alexander C**, Fahim S\*, Groshek D\*, Grabowsky A. Topic brief: gene therapies for hemophilia A and B. Portland, OR: Center for Evidence-based Policy, Oregon Health & Science University; 2022.

3. **Watts CS**, Sciasci JN, Pauley JL, Panetta JC, Pei D, Cheng C, Christensen CM, Mikkelsen TS, Pui CH, Jeha S, Relling MV. Prophylactic Trimethoprim-Sulfamethoxazole Does Not Affect Pharmacokinetics or Pharmacodynamics of Methotrexate. *J Pediatr Hematol Oncol.* 2016;38(6):449-52.
2. Armstrong EM, Wright BM, Meyer A, Watts CS, Kelley KW. The role of acridinium bromide in the treatment of chronic obstructive pulmonary disease. *Hosp Pract.* 2014;42(4):99-110.
1. Hamilton LA, **Watts CS**, Crain MR. Hyperkalemia and rhabdomyolysis with succinylcholine used for rapid sequence intubation: a case report. *J Pharm Technol.* 2013;29(6):247-49.

**PUBLISHED ABSTRACTS & POSTER PRESENTATIONS** (\*student author)

**National/International**

8. Gamston CE, **Watts Alexander CS**, Stamm PL, McDowell L, Stevenson TL, Lloyd KB. Get Connected: Leveraging Collaborations and Healthcare Technologies to Advance Experiential Education and Patient Care. Poster presented at the American Association of Colleges of Pharmacy (AACP) Pharmacy Education 2022 Annual Meeting; Grapevine, TX; *Anticipated July 2022.*
7. Fahim SM\*, Ngorsuraches S, Qian J, Hohmann N, **Watts Alexander CS**, Lloyd KB, Westrick SC. Geographic Access to Genetic Testing Centers for People Living in the United States. Poster presented at the Southern Pharmacy Administration Conference (SPAC), Houston, TX, June 2022.
6. Britt A, **Watts Alexander CS**, Aikens GB, Gamston CE, Lloyd KB. Prevalence of Actionable Pharmacogenomic Phenotypes in Veterans with Major Depressive Disorder (MDD) Receiving Antidepressants. Poster presented at the College of Psychiatric and Neurologic Pharmacists (CPNP) 2022 Annual Meeting, San Antonio, TX, April 2022.
5. Hughes CM\*, Britt A, Gamston CE, Lloyd KB, Aikens GB, **Watts Alexander CS**. Assessment of the Impact of Clinical Pharmacogenomics on Real and Potential Medication Use in Veterans – a Feasibility Study. Poster presented at the ASHP Midyear Clinical Meeting, Virtual Presentation, December 2021.
4. Latson-Chambers A, Lloyd KB, Nehls J, **Watts Alexander CS**. Pre-emptive Pharmacogenomics in the Optimization of Pain Management in the Community Pharmacy Setting - a Feasibility Study. Poster presented at the ASHP Midyear Clinical Meeting, Virtual Presentation, December 2021.

3. Drennan C, Hughes HN, Withers ST, Brownlee JW, Ewing JA, **Watts Alexander CS**. Implementation of a vancomycin-specific pediatric dosing algorithm in a large academic medical center. Poster presented at the ASHP Midyear Clinical Meeting, Vizient Resident Poster Session in Las Vegas, NV, December 2019.
2. **Watts CS**, Doss JB, Marlowe KF, Allen JM, Treadway SA. Evaluation of prescribing practices in the treatment of pain and nausea associated with acute pancreatitis at a tertiary care hospital. Poster presented at the ACCP Annual Meeting in Hollywood, FL, October 2012.
1. **Watts CS**, Archibald EN, Felder J, Hamilton LA, Crain MR. Potential adverse outcomes of succinylcholine used for rapid sequence intubation. Poster presented at the ACCP Annual Meeting in Hollywood, FL, October 2012.

#### **Regional/Local**

5. Hughes CM\*, Britt A, Gamston CE, Lloyd KB, Aikens GB, **Watts Alexander CS**. Assessment of the Impact of Clinical Pharmacogenomics on Real and Potential Medication Use in Veterans – a Feasibility Study. Poster presented at Auburn University Harrison College of Pharmacy (AUHCOP) Research Showcase, Auburn, AL, April 2022.
4. Fahim SM\*, Ngorsuraches S, Qian J, Hohmann N, **Watts Alexander CS**, Lloyd KB, Hansen R. Geographical access to genetic testing centers for people living in the United States. Poster presented at AUHCOP Research Showcase, Auburn, AL, April 2022.
3. Fahim SM\*, Ngorsuraches S, Qian J, Hohmann N, **Watts Alexander CS**, Lloyd KB, Hansen R. Geographical access to genetic testing centers for people living in the United States. Poster presented at AU Student Research Symposium in Auburn, AL, March 2022.
2. **Watts CS**, Cross SJ, McCormick JN, Ward DA, Pauley JL, Gruber TA, Relling MV. Utilization of body weight vs. body surface area for chemotherapy dosing in infants. Poster presented at the St. Jude Children’s Research Hospital Clinical Fellows Research Symposium in Memphis, TN, February 2015.
1. **Watts CS**, Tverdek FP, Hammerstrom AE. Assessment of foscarnet dosing practices with respect to nephrotoxicity for cytomegalovirus infection induction therapy in hematopoietic stem cell transplant patients. Poster presented at the TSHP Annual Seminar in Houston, TX, April 2014.

## PRESENTATIONS

### Regional

7. "Pharmacogenomics: Personalizing prescriptions across the lifespan" Jun 2022  
*Invited 1.5-hour ACPE accredited continuing education presentation  
Alabama Pharmacy Association (APA) 141st Annual Convention, Gulf  
Shores, AL*
6. "Preemptive pharmacogenomics in the optimization of pain management" Jun 2022  
*Invited 0.5-hour ACPE accredited continuing education presentation  
APA 141st Annual Convention, Gulf Shores, AL*
5. "Expansion in Clinical Pharmacogenomics" Nov 2020  
*Invited 1-hour ACPE accredited continuing education presentation  
ALSHP Annual Clinical Meeting, Birmingham, Alabama*
4. "Updates in the Management of Sickle Cell Disease" Oct 2020  
*Invited 1-hour ACPE accredited continuing education presentation  
SCSCHP Fall Meeting (Virtual Conference)*
3. "Utilization of body weight vs. body surface area for chemotherapy dosing in infants" Apr 2015  
*0.25-hour ACPE accredited continuing education presentation  
MidSouth Pharmacy Residents Conference, Memphis, TN*
2. "Acute renal failure due to tumor lysis syndrome, and the role of dialysis in today's management" Jan 2015  
*Invited 1-hour collaborative presentation with Jessica Valdez, MD  
and John Bissler, MD; Leukemia, Lymphoma, Hematology, and Bone  
Marrow Transplantation and Cellular Therapy Conference; St. Jude  
Children's Research Hospital, Memphis, TN*
1. "Assessment of foscarnet dosing practices with respect to nephrotoxicity for cytomegalovirus infection induction therapy in hematopoietic stem cell transplant patients." Apr 2014  
*0.25-hour ACPE accredited continuing education presentation  
Alcáldé 28<sup>th</sup> Annual Southwest Leadership Conference, Houston, TX*

### Local

21. "Practice Advancement Initiative (PAI) 2030 – Pharmacogenomics" Mar 2022  
*Invited 1-hour presentation; AUHCOP, Student Society of Health-  
System Pharmacists (SSHP), Lunch with a Leader Annual Seminar*

20. "Pharmacist Pathway to Pediatric Oncology" Oct 2021  
*Invited 0.5-hour presentation; Auburn University National Community Oncology Dispensing Association (NCODA) Chapter Meeting*
19. "Auburn University Harrison College of Pharmacy Precision Medicine Initiative" Sep 2021  
*Invited 1-hour presentation; Deans Advisory Council 2021 Meeting*
18. "Pharmacist Pathway to Pediatric Oncology" Apr 2021  
*Invited 0.5-hour presentation; Auburn University Student College of Clinical Pharmacy (SCCP) Chapter Meeting*
17. "Pharmacist Pathway to Pediatric Oncology" Oct 2020  
*Invited 0.5-hour presentation; Auburn University Pediatric Pharmacy Association (PPA) Chapter Meeting*
16. "Antifungal Pharmacotherapy" May 2020  
*1-hour presentation; Prisma Health Children's Hospital – Upstate, Pediatric Medical Residency Program*
15. "Antifungal Pharmacotherapy" Dec 2018  
*1-hour presentation; Prisma Health Children's Hospital – Upstate, Pediatric Medical Residency Program*
14. "Bone Modifying Agents in Adult Cancer Care" Jul 2018  
*0.25-hour presentation; Prisma Health – Upstate, Department of Pharmacy*
13. "Antifungal Pharmacotherapy" May 2017  
*1-hour presentation; Prisma Health Children's Hospital – Upstate, Pediatric Medical Residency Program*
12. "Antifungal Pharmacotherapy" Nov 2015  
*1-hour presentation; Prisma Health Children's Hospital – Upstate, Pediatric Medical Residency Program*
11. "Utilization of body weight vs. body surface area for chemotherapy dosing in infants" Jun 2015  
*1-hour ACPE accredited continuing education; St. Jude Children's Research Hospital*



10. "Assessment of colony stimulating factor use in pediatric oncology patients"  
*0.5-hour presentation; St. Jude Children's Research Hospital, Pharmaceutical Department* Jun 2015
9. "Resident participation at the national level: experiences with ASHP's Commission on Credentialing"  
*0.5-hour presentation; St. Jude Children's Research Hospital, Pharmaceutical Department* Jan 2015
8. "Management of refractory hypercalcemia in metastatic parathyroid carcinoma"  
*0.5-hour presentation; St. Jude Children's Research Hospital, Pharmaceutical Department* Oct 2014
7. "Assessment of pertuzumab use in breast cancer"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* May 2014
6. "Drug-induced QT prolongation"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* Apr 2014
5. "Nitric oxide inhalation gas for acute vasodilator testing in the diagnosis of pulmonary arterial hypertension"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* Mar 2014
4. "The controversial role of corticosteroid use in sepsis"  
*1-hour ACPE accredited continuing education; University of Texas MD Anderson Cancer Center* Mar 2014
3. "Rapid sequence intubation (RSI) for the pharmacist"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* Feb 2014
2. "The speed of lytes: A review of electrolyte infusion rates"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* Nov 2013
1. "Linezolid: MAOI activity and potential for serotonin toxicity"  
*0.5-hour presentation; University of Texas MD Anderson Cancer Center, Division of Pharmacy* Oct 2013

## PEER REVIEWER

ACCP Pharmacy Self-Assessment Program (PSAP) Content Reviewer <i>Medical Cannabis; Mary Barna Bridgeman, Pharm.D., BCPS, BCGP</i>	2018-2019 2018-2019
ACCP/ASHP Oncology Preparatory Review and Preparation Course Peer Reviewer <i>Pediatric Malignancies and Supportive Care (2022), Jennifer Young, Pharm.D., BCOP</i>	2018–present Nov 2021
<i>Pediatric Malignancies and Supportive Care (2021), Jennifer Young, Pharm.D., BCOP</i>	Oct 2020
<i>Pediatric Malignancies and Supportive Care (2020), Jennifer Young, Pharm.D., BCOP</i>	Nov 2019
<i>Pediatric Malignancies and Supportive Care (2019), Jennifer Young, Pharm.D., BCOP</i>	Jan 2019
<i>Pediatric Malignancies and Supportive Care (2018), Michelle L. Kussin, Pharm.D., BCOP</i>	Jan 2018
ACCP Pediatric Pharmacy Self-Assessment Program (PedSAP) Pilot Tester <i>PedSAP 2019 Book 3 (Transplantation)</i>	2018–present Aug 2019
<i>PedSAP 2018 Book 2 (Fluids, Electrolytes, and Nutrition)</i>	Apr 2018
<i>PedSAP 2018 Book 1 (Pediatric Oncology)</i>	Jan 2018
ACCP Pharmacy Self-Assessment Program (PSAP) Pilot Tester <i>PSAP 2020 Book 3 (Hematology &amp; Oncology)</i>	2018–present July 2020
<i>PSAP 2016 Book 2 (GI, Fluids, and Nutrition)</i>	July 2016

## STUDENT CURRICULUM VITAE REVIEWER

American College of Clinical Pharmacy (ACCP)	2015–present
American Society of Health-System Pharmacists (ASHP)	2013–2016

## GRANTS/FUNDING

Lindsey W (PI), **Alexander C**, Fahim S, Groshek D, Grabowsky A.  
Title: Topic brief: gene therapies for hemophilia A and B.  
Agency: Center for Evidence-based Policy, Oregon Health & Science University  
Requested: \$10,000  
Funded: \$10,000  
Awarded: March 2022

**Watts Alexander CS** (PI), Nehls J, Lloyd KB

Title: Pre-emptive pharmacogenomics in the optimization of pain management in the community pharmacy setting

Agency: Alabama Pharmacy Association Research & Education Foundation (APAREF)

Requested: \$2,500

Funded: \$2,500

Awarded: June 2021

Duration: July 1, 2021 – June 30, 2022

**Watts Alexander CS** (PI), Lloyd KB, Gamston CE, Aikens GB

Title: Assessment of the impact of clinical pharmacogenomics on real and potential medication use in Veterans

Agency: University of Alabama at Birmingham (UAB), Center for Clinical and Translational Science (CTS) Pilot Program

Requested: \$60,000

Funded: \$60,000

Awarded: January 2021

Duration: May 1, 2021 – April 30, 2022

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## PROFESSIONAL SERVICE

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Clinical Pharmacogenetics Implementation Consortium (CPIC®) <i>Member, 2020–present</i>	2020–present
Alabama Cancer Congress (ACC) <i>Member, 2020–present</i>	2020–present
American Association of Colleges of Pharmacy (AACP) <i>Member, 2013 – 2014, 2020–present</i> <i>Pharmacy Practice Section, 2020–present</i> <i>Pharmacogenomics Special Interest Group, 2020–present</i> <i>Women Faculty Special Interest Group, 2020–present</i>	2013–present
Phi Lambda Sigma Pharmacy Leadership Society (PLS)	2012–present
Rho Chi Pharmacy Honor Society <i>Member, 2011–present</i> <i>Faculty Advisor, Zeta Chapter (AUHCOP), 2022–present</i>	2011–present

<p>American Society of Health-System Pharmacists (ASHP)  <i>New Practitioners Forum Practice Advancement &amp; Advocacy Advisory Group Member, 2015–2016</i>  <i>Commission on Credentialing, Appointed Resident Member, 2014–2015</i>  <i>Student Curriculum Vitae Reviewer, 2013–2016</i>  <i>Texas Society of Health-System Pharmacists (TSHP), 2013–2014</i>  <i>Alabama Society of Health-System Pharmacists (ALSHP), 2009–2015</i>  <i>Auburn University Student Society of Health-System Pharmacists (AUSSHP), 2009–2013</i></p>	<p>2011–present</p>
<p>The American College of Clinical Pharmacy (ACCP)  <i>Pharmacokinetics/Pharmacodynamics/Pharmacogenomics Practice and Research Network, 2020–present</i>  <i>PedSAP Pilot Reviewer, 2018–present</i>  <i>PSAP Pilot Reviewer, 2016–present</i>  <i>Curriculum Vitae Reviewer, 2015–present</i>  <i>Education and Training Practice and Research Network, 2012–2013, 2020–present</i>  <i>Student Support Committee, 2012 – 2013</i>  <i>National Student Network Advisory Committee (SNAC) Member-at-large, 2012–2013</i>  <i>ACCP Student Network Newsletter Editor, December 2012</i>  <i>Founding President of Harrison School of Pharmacy Student College of Clinical Pharmacy, 2011–2012</i></p>	<p>2011–present</p>
<p>Alabama Pharmacy Association  <i>Member, 2009–2014, 2021–present</i>  <i>Junior Trustee, 2012–2014</i></p>	<p>2009–present</p>
<p>Auburn University, Harrison College of Pharmacy (AUHCOP)  <i>Department of Health Outcomes Research and Policy Faculty Search Committee, Member, 2022</i>  <i>Experiential and Professional Education Committee, Member, 2022–present</i>  <i>Clinical Services Advisory Committee, Member, 2021–present</i>  <i>Assistant Professor, Department of Pharmacy Practice, 2020–present</i>  <i>Admissions Interview Committee</i>  <i>Faculty Volunteer Interviewer, 2020–present</i>  <i>Student Pharmacist Member, 2010–2012</i>  <i>Dean's Advisory Council Member, Teaching Subcommittee, 2019–2020</i>  <i>Professional Education Subcommittee III (IPPE, APPE), Student Pharmacist Member, 2011–2012</i>  <i>Strategic Planning Committee, Student Pharmacist Member, 2009–2010</i>  <i>Student Pharmacist, 2009–2013</i></p>	<p>2009–present</p>

Kappa Psi Pharmaceutical Fraternity	2009–2014
<i>Gulf Coast Province Legislative Committee, 2013–2014</i>	
<i>South Alabama Graduate Chapter Social Chair, 2013–2014</i>	
<i>Delta Gamma Chapter Historian, 2011–2012</i>	
<i>Delta Gamma Chapter Service Committee, 2011–2012</i>	
<i>Pledge Class Fundraising Committee, 2009–2010</i>	

**PREVIOUS**

Children’s Oncology Group (COG)	2014–2021
<i>Member, Pharmacy Committee, 2014–2021</i>	

Hematology/Oncology Pharmacy Association (HOPA)	2012–2020
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Prisma Health – Upstate (formerly Greenville Health System)	2015–2020
<i>Pediatric Medication Safety Process Improvement Committee, 2020</i>	
<i>Medication Safety, Alaris Guardrail Committee, 2019–2020</i>	
<i>Pediatric Pain Task Force, 201 –2020</i>	
<i>PGY1 Pharmacy Residency Interview Committee, 2018–2019</i>	
<i>Oncology Pharmacy and Therapeutics Committee, 2016–2020</i>	
<i>Pediatric Oncology Treatment Plan Validation Content Expert (EPIC EMR), 2016–2020</i>	
<i>University of South Carolina College of Pharmacy Diversity Committee, 2016–2020</i>	
<i>Chemotherapy Process Improvement Committee, 2015 – 2020</i>	
<i>Pediatric Pharmacy and Therapeutics Committee, 2015 – 2020</i>	
<i>Clinical Pharmacy Specialist, Pediatric Hematology/Oncology, 2015 – 2020</i>	

University of Houston College of Pharmacy Curriculum Committee	2013–2014
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**AWARDS & HONORS**

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Rho Chi Society Alumni Honor Roll Award	2022
Prisma Health Stellar Service Award	2019
Prisma Health Pharmacy Residency Program, Clinical Preceptor of the Year (17-18)	2018
ACCP Volunteer Recognition Award	2013
The University of Texas MD Anderson Awesome Job Award	2013
AACP Wal-Mart Scholar Award	2013
Teva Pharmaceuticals Outstanding Student Award	2013
ASHP Clinical Skills Local Competition Second Place	2012
ACCP Annual Meeting Student Travel Award Recipient	2012

Featured student in <i>Alabama Pharmacy: The Official Publication of the Alabama Pharmacy Association</i>	2012
Harrison School of Pharmacy Lynn Stanford Blake Fund Scholarship	2012
Alabama Pharmacy Association Self-Care Challenge Winner	2012
Cardinal Health Leadership Award	2012
Student College of Clinical Pharmacy Award for Service as Founding President	2012
APhA Patient Counseling Competition, Harrison School of Pharmacy Local Finalist	2012
Rho Chi Society Induction, Zeta Chapter, Auburn University	2011
ASHP Clinical Skills Local Competition Finalist	2011
Harrison School of Pharmacy Haire Fund Scholarship	2011
ACCP Clinical Pharmacy Challenge, Harrison School of Pharmacy Local Finalist	2011
APhA Patient Counseling Competition, Harrison School of Pharmacy Local Finalist	2011

## **LICENSURE**

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National Provider Identifier: 1801406897	2020–present
South Carolina State Board of Pharmacy, Pharmacist (License #36300)	2015–present
Alabama State Board of Pharmacy, Pharmacist (License #17832)	2014–present
Tennessee State Board of Pharmacy, Pharmacist (License #38557) [Retired May 2018]	2014–2018
Texas State Board of Pharmacy, Pharmacist (License #53072) [Retired November 2019]	2013–2019

## **CERTIFICATIONS**

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ACCP Academy Certificate Program, Precision Medicine: Applied PGx	2020
Board Certified Oncology Pharmacist (Credential #5150403)	2016–present
Board Certified Pharmacotherapy Specialist (Credential #3141528F)	2014–present
University of Houston Teaching and Scholarship in Academia Certificate	2014
American Heart Association, Advanced Cardiovascular Life Support (ACLS)	2013–2014
Collaborative Institutional Training Initiative (CITI) Certification	2012–present
APhA Pharmacy-Based Immunization Delivery Certification	2010