

Christopher Warren Whitman, PharmD

2330 Lee Rd. 137 Lot 464, Auburn, Alabama 36832

910.890.0550 | cww0022@auburn.edu

LICENSURE

Jul 2019 – Present **Registered Pharmacist**
Alabama Board of Pharmacy
License No: 21067

EDUCATION AND POSTGRADUATE TRAINING

Jun 2019 – Present **PGY-1 Pharmacy Practice Residency**
East Alabama Medical Center (EAMC), Opelika, AL
Residency Program Director: Danna Nelson, PharmD, BCPS

Aug 2015 – May 2019 **Doctor of Pharmacy**
Auburn University Harrison School of Pharmacy, Auburn, AL
Summa Cum Laude

Aug 2006 – Dec 2010 **Bachelor of Science, Biochemistry**
North Carolina State University, Raleigh, NC
Cum Laude

PROFESSIONAL EMPLOYMENT

Jul 2019 – Present **Clinical Pharmacist**
East Alabama Medical Center, Opelika, AL
Director of Pharmacy: Laura Matthews, PharmD

Jul 2019 – Present ***Per diem* Pharmacist**
Our Home Pharmacy, Auburn, AL
Pharmacist in Charge: Craig Hyatt, RPh

Nov 2015 – May 2019 **Pharmacy Intern**
Our Home Pharmacy, Auburn, AL
Pharmacist in Charge: Craig Hyatt, RPh

Dec 2010 – Jul 2015 **Bioassay Quality Control Associate I – III**
Biogen, Research Triangle Park, NC
Senior Manager: John Yanni Lambropoulos, PhD

FACULTY APPOINTMENTS

Jul 2019 – Present **Affiliate Clinical Instructor of Pharmacy Practice**
Auburn University Harrison School of Pharmacy, Auburn, AL
Resident Teaching and Learning Program (RTLTP)
Faculty Mentors: Allison Chung, PharmD, BCPS, AE-C
Pamela Stamm, PharmD, BCPS, BCACP, CDE, FASHP
Erika Kleppinger, PharmD, BCPS

PGY-1 CLINICAL RESIDENCY EXPERIENCES

Oct – Nov 2019	Critical Care Preceptor: Kristy Williams, PharmD
Sep – Oct 2019	Internal Medicine Preceptor: Brandi Rains, PharmD, BCPS
Jul – Aug 2019	Infectious Diseases Preceptor: Darrell Childress, PharmD, BCPS, BCIDP
Jun – Jul 2019	Pharmacy Practice Management Orientation Preceptor: Danna Nelson, PharmD, BCPS

ANTICIPATED PGY-1 CLINICAL RESIDENCY EXPERIENCES

May – Jun 2020	Pediatrics Preceptor: Jessica Corman, PharmD, BCPS
Apr – May 2020	HIV/AIDs Preceptor: Kelly Hester, PharmD, FCCP, BCPS, AAHIVP
Mar – Apr 2020	Antimicrobial Stewardship Preceptor: Darrell Childress, PharmD, BCPS, BCIDP
Feb – Mar 2020	Clinical Informatics Preceptor: Wes Wilkerson, PharmD, MS, LSSBB
Dec 2019 – Jan 2020	Emergency Medicine Preceptors: Jason Dover, PharmD Jordan Vickers, PharmD

PGY-1 CLINICAL RESIDENCY LONGITUDINAL EXPERIENCES

Oct 2019 – Present	Ambulatory Care: Diabetes & Nutrition Center Preceptor: Margaret Williamson, PharmD, BCPS
Jul 2019 – Present	Ambulatory Care: Employee Wellness Clinic Preceptor: Kayla Brown, PharmD
Jun 2019 – Present	Pharmacy Practice Preceptor: Sarah-Anne Blackburn, PharmD, BCPS
Jun 2019 – Present	Clinical Research Preceptors: Chris Harrison, PharmD Darrell Childress, PharmD, BCPS, BCIDP
Jun 2019 – Present	Drug Information Preceptor: Bernie Olin, PharmD
Jun 2019 – Present	Administration & Pharmacy Practice Management Preceptor: Laura Matthews, PharmD, Director of Pharmacy

ADVANCED PHARMACY PRACTICE EXPERIENCES

Mar 2019	Health Systems Pharmacy Jackson Hospital, Montgomery, AL Preceptor: James Phillips, RPh
Feb 2019	Primary Care II Montgomery Family Medicine Residency Program, Montgomery, AL Preceptor: Heather Whitley, PharmD, BCPS, CDE
Jan 2019	Emergency Medicine East Alabama Medical Center, Opelika, AL Preceptors: Rusty Page IV, PharmD, BCPS Jason Dover, PharmD
Oct 2018	Hospital Management Jackson Hospital and Clinics, Montgomery, AL Preceptor: Thomas Cobb, PharmD, Director of Pharmacy
Sep 2018	Primary Care I Montgomery Veterans Affairs Clinic, Montgomery, AL Preceptors: Molly Howard, PharmD, BCPS, BCACP Cain Eric Kirk, PharmD, BCACP
Aug 2018	Community Pharmacy Lakeshore Discount Pharmacy, Dadeville, AL Preceptor: Eric Long, PharmD
Jun 2018	Drug Information Harrison School of Pharmacy Drug Information Center, Auburn, AL Preceptor: Wesley Lindsey, PharmD
May 2018	Infectious Diseases / Internal Medicine Central Alabama VA Healthcare System, Montgomery & Tuskegee, AL Preceptor: Spencer Durham, PharmD, BCPS, BCIDP

PHARMACY RESEARCH EXPERIENCE

Research in progress	Utilization of Intravenous Immune Globulin (IVIG) at a Community Hospital. Primary investigator. Retrospective evaluation and assessment of the prescribing patterns of IVIG at East Alabama Medical Center (EAMC). An analysis of alternative IVIG dosing methods will be conducted to assess the potential IVIG use avoided, reductions in infusion durations, and cost savings. The results will be used to create institution-specific prescribing guidelines and protocols.
Research in progress	Evaluation of Oxacillin-Sensitive, Methicillin-Resistant <i>Staphylococcus Aureus</i> at a Community Hospital. Primary investigator. Retrospective evaluation of the prevalence and epidemiology of oxacillin-sensitive, methicillin-resistant <i>S. aureus</i> (OS-MRSA). Research complete. Manuscript in peer review. Anticipated abstract submission for the 2020 Annual MAD-ID Meeting.

Jul 2018	Utilization of Ceftriaxone in Outpatient Clinics at a Veterans Affairs Healthcare System: an Antimicrobial Stewardship Evaluation. Primary investigator. Retrospective evaluation and assessment of the prescribing patterns of ceftriaxone in each of the six outpatient primary care clinics in the Central Alabama VA Healthcare System.
Feb 2014	Optimization of Recombinant Factor IX-Fx Fusion Protein (rFIXFx) Potency Assay. QC analytical lead for the optimization and method validation of an activated partial thromboplastin time (aPTT) based assay to support the BLA of a novel drug product. PI: Biogen
Aug 2013	Development of a Pilot-Scale Bioreactor Based Poloxamer 188 (P188) Screening Assay. QC Bioassay lead for the development and implementation of a small-scale bioreactor cell culture-based screening assay for P188 (pluronic) to support the manufacturer of biologic therapies. PI: Biogen

PUBLICATIONS AND PROFESSIONAL WRITING

Whitman C, Rodriquez S, Staples J, Lindsey W. "Going Viral: An Overview of Community-Acquired Respiratory Tract Infections." Alabama Pharmacy Association Journal, Continuing Education Article. Accepted December 2018. Published December 2019. <https://www.aparx.org/page/53>
 Role: I was the lead author of this paper. The objective of this article was to increase awareness of outpatient antimicrobial stewardship by providing an overview of the appropriate treatment of routinely encountered respiratory tract infections.

Whitman C, Kamath S, Lawrence S. "Design and Implementation of a Molecular Imaging Elective for Third-year Pharmacy Students." Currents in Pharmacy Teaching and Learning. Accepted, In Press. Available online 21 November 2019 <https://doi.org/10.1016/j.cptl.2019.11.006>
 Role: I was the lead author of this paper. The objective of this publication was to evaluate and share the implementation and outcomes of a unique elective molecular imaging course. The course exposed PharmD students to the fundamentals of various imaging modalities and their pre-clinical and clinical applications using several active learning strategies.

Biogen. Confidential/proprietary documents and protocols to support analytical method and instrument validations, analytical method transfers, annual method reviews (AMR), and reagent qualifications and expiry extensions.
 Role: I was the primary author of over 50 documents to support the aforementioned GMP projects. Documents included: AMRs, IQ/OQ/PQ protocols/reports, SOPs, and reports for anomalous and out of specification results.

SELECT CLINICAL PRESENTATIONS

Right Test, Right Patient, Right Time: Rapid Diagnostic Technologies (RDTs) & Diagnostic Stewardship. In-service presentation that will be presented to East Alabama Medical Center's ASP, pharmacy staff, and clinical microbiologist. The presentation will include an overview of the use of RDT coupled with antimicrobial stewardship. Will provide draft guidance for the implementation of the BioFire® FilmArray® System to assist with prospective audit and feedback and prospective data collection. *Scheduled Jan 2020*

Evaluation of Oxacillin-Sensitive, Methicillin-Resistant Staphylococcus Aureus at a Community Hospital. Poster presentation at the American Society of Health-System Pharmacist Midyear Clinical Meeting in Las Vegas, NV. Dec 2019

Metformin: A Series of Unfortunate Events. Patient presentation presented to pharmacy staff and student pharmacists at East Alabama Medical Center. Topics included metformin-associated lactic acidosis (MALA) and MDR *Acinetobacter baumannii* ventilator-associated pneumonia. Nov 2019

Isavuconazole Versus Caspofungin in the Treatment of Candidemia and Other Invasive Candida Infections: The ACTIVE Trial. CID. 2019;68(12):1981-1989. Journal club presented to the antimicrobial stewardship pharmacy team and an infectious disease physician at East Alabama Medical Center. Aug 2019

Does the Nose Know? MRSA Nasal Screening in Pneumonia a Patient Presentation. Patient presentation presented to pharmacy staff and APPE pharmacy students at Jackson Hospital. Apr 2019

Pharmacologic Management of Benign Prostatic Hyperplasia (BPH). In-service presentation for physicians, clinical pharmacists, medical residents, medical students, and pharmacy students at the Montgomery Family Medicine Residency Program. Mar 2019

To Reduce or Not to Reduce? A (relatively) Simple Application of Einstein Choice. Patient presentation presented to clinical pharmacists, student pharmacists, and medical residents at Montgomery Family Medicine Residency Program. Mar 2019

Utilization of Ceftriaxone in Outpatient Clinics at a Veterans Affairs Healthcare System: An Antimicrobial Stewardship Evaluation. Poster presentation at the American Society of Health-System Pharmacist Midyear Clinical Meeting in Anaheim, CA. Dec 2018

Direct Oral Anticoagulants (DOACs), Consideration for use in Primary Care. In-service presentation for physicians, pharmacists, residents, nurse practitioners, and psychologists at a monthly employee meeting at the Montgomery Veterans Affairs Clinic. Provided draft guidance for the use of DOACs in patients with clinical uncertainty based on an assessment of clinical trials that influenced the updated FDA labeling changes for DOACs. Oct 2018

Topic discussion presentations presented to clinical pharmacist, PGY1 residents, and student pharmacist at the Montgomery Veterans Affairs Clinic (MVAC): Extended VTE treatment with reduced-dose direct oral anticoagulants (DOACs), anticoagulation management in ambulatory care clinic, management and monitoring of type II diabetes, hypertension guidelines update: 2017 ACC/AHA guidelines update, and diagnosis and management of hyperlipidemia. Sep 2018

Continuing Education: Management of Attention Deficit Hyperactivity Disorder (ADHD). In-service CE course presented to employees of the Lee County Youth Development Center (LCYDC). The CE provided an overview of ADHD management, diagnosis, novel ADHD medication formulations, medication safety, and important counseling points. Jul 2018

Effect of Oral Capsule vs. Colonoscopy-delivered Fecal Microbiota Transplantation on Recurrent *Clostridioides difficile* Infection. A Randomized Clinical Trial. JAMA. 2017;318(20):1985-1993. Journal club presented to faculty and student pharmacist at the Drug Information Center at Harrison School of Pharmacy. Jun 2018

Effect of 5-Day Nitrofurantoin vs. Single-Dose Fosfomycin on Clinical Resolution of Uncomplicated Lower Urinary Tract Infection in Women: A Randomized Clinical Trial. JAMA. 2018;319(17):1781-1789. Journal club presented to clinical pharmacists, residents, and student pharmacists at the Central Alabama Veterans System West Campus Hospital. Jun 2018

Once-Daily Indacaterol Versus Tiotropium for Patients with Severe Chronic Obstructive Pulmonary Disease (INVIGORATE): A Randomized, Blinded, Parallel-Group Study. Lancet Respir Med. 2013; Sep;1(7):524-33. Journal club presented to student pharmacist and pharmacy faculty at Auburn University Harrison School of Pharmacy. Apr 2018

Novel Marketing Strategy for the AUHSOP Drug Information and Learning Resources Center. Presented during the 9th annual Rite Aid marketing plan competition at Auburn University Harrison School of Pharmacy to guest community pharmacist, school of pharmacy staff. The presentation was awarded the best all-around/most feasible marketing strategy. May 2017

LEADERSHIP AND COMMITTEE ROLES

2019 – Present	Congestive Heart Failure Readmission Reduction Committee. Pharmacy representative on an interdisciplinary team. Active role in the design of an automatic PowerPlan (order set) aimed to optimize the quality of care and disease management of patients with CHF. Responsible for the implementation of CHF targeted multidisciplinary rounds to facilitate early discharge medication planning.
2019 – Present	Anticoagulation Stewardship Committee. An active member of a hospital-wide interdisciplinary team tasked to evaluate current hospital anticoagulant practices and to align our practices with The Joint Commission's eight new or revised elements of performance (EP).
2016 – 2019	Kappa Psi Pharmaceutical Fraternity. Delta Gamma chapter webmaster and judicial committee representative.
2016 – 2019	Harrison School of Pharmacy Student Council. P3 and P4 class justice representative.
2014 – 2015	Human Performance (HuP) Ambassador. QC representative for global human performance initiative to foster a positive work culture to improve workflow and reduce the occurrence of human errors.
2013 – 2015	Biogen Community Labs. Assisted in designing and teaching science experiments and activities for elementary through high school students. Exposed students to biotechnology and the pharmaceutical industry.
2011 – 2015	Biogen Safety Committee. Global QC safety representative. Coordinated and oversaw lab safety audits, participated in the NC Department of Labor's Carolina Star Safety Audit.
2011 – 2015	Biogen Employee Activities Committee (EAC). Assisted in planning employee activity events for the Biogen Research Triangle Park site (> 2000 employees). Coached employee co-ed softball team.

CERTIFICATIONS

Aug 2019 – Present	Parenteral Compounding Certification Alabama Board of Pharmacy
Jul 2019 – Present	Advanced Cardiovascular Life Support (ACLS) Certification American Heart Association

Jul 2019 – Present	Controlled Substances Certification Alabama Board of Pharmacy
Apr 2016 – Present	Pharmacy-Based Immunization Certification American Pharmacists Association
Mar 2016 – Present	IRB and Human Subjects Research Certification Collaborative Institutional Training Initiative (CITI) Program
Aug 2015 – Present	Basic Life Support for Healthcare Providers Certification American Heart Association

PROFESSIONAL AFFILIATIONS

2019 – Present	Making a Difference in Infectious Diseases (MAD-ID)
2019 – Present	Society of Infectious Diseases Pharmacists (SIDP)
2016 – Present	Kappa Psi Pharmaceutical Fraternity
2016 – Present	Alabama Society of Health-System Pharmacists (ALSHP)
2015 – Present	American Society of Health-Pharmacists (ASHP)
2015 – Present	Alabama Pharmacy Association (APA)

SUPPLEMENTAL TRAINING AND DEVELOPMENT

2018	340B University OnDemand. Completed a 19-module course via Apexus regarding the foundational information of the 340B Drug Pricing Program.
2014	OSHA 30-Hour General Industry Training. Comprehensive general industry safety training course. Utilized training to help lead a QC lab-safety team.
2013	Quality Management: Deviation and Corrective and Preventive Action. Four-day training course on quality management systems and exception handling. Extensive training on root cause analysis, corrective actions, deviation handling, and quality risk management.
2012	Train the Trainer. Three-day training course with a focus on the foundations in critical training skills, methods for delivering training to professionals, and designing effective learning materials.
2012	JMP Software: ANOVA, Regression, and Logistic Regression. Two-day introductory training course delivered by SAS Inc. on the utilization of JMP software to analyze and handle quality control data.

COMMUNITY SERVICE ACTIVITIES

2015 – 2019	Auburn-Opelika area community health fairs
2016 – 2018	All in, all pink for breast cancer awareness
2014 – 2015	Multiple sclerosis society volunteer
2013 – 2015	Citizen schools volunteer teacher
2010 – 2015	Biogen care deeply volunteer leader
2009 – 2015	Volunteer youth soccer coach
2008 – 2012	Goodwill donation center

PROFESSIONAL MEETINGS ATTENDED

Dec 2019	2019 ASHP Midyear Clinical Meeting, Las Vegas, NV
Oct 2019	ALSHP Annual Clinical Meeting, Birmingham, AL
Jul 2019	2019 Alabama Infectious Disease Society (ALIDS) Conference, Birmingham, AL
Jul 2019	Alabama Board of Pharmacy Board Meeting, Birmingham, AL
Dec 2018	2018 ASHP Midyear Clinical Meeting, Anaheim, CA
Oct 2018	Alabama Board of Pharmacy Board Meeting, Birmingham, AL
Oct 2018	ALSHP Annual Clinical Meeting, Birmingham, AL
May 2018	Summit on Antimicrobial Stewardship, Auburn, AL
Oct 2017	APA Regional Meeting, Auburn, AL
Oct 2015	APhA-ASP Midyear Regional Meeting (MRM), Nashville, TN

REFERENCES

Available upon request

SCAN QR CODE OR VISIT LINK BELOW FOR PERSONAL PORTFOLIO WEBSITE



<https://whitmancw.com>