

## ***CURRICULUM VITAE (CV)***

**MELANIE HYTE, PHARMD, BCIDP**  
***Assistant Professor for Pharmacology***  
**Department of Biomedical Science**

### **CONTACT INFORMATION**

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### **EDUCATION**

1996-1998	Pre-pharmacy curriculum	Troy State University	Troy, Alabama
1998-2002	Doctor of Pharmacy	Auburn University Harrison College of Pharmacy	Auburn, Alabama
2002-2003	Pharmacy Practice Residency	Huntsville Hospital	Huntsville, Alabama

### **LICENSES AND CERTIFICATES**

June 2002 to present	Registered Pharmacist, Alabama Board of Pharmacy, License 14447
2002 to present	Alabama Parenteral Certification, Alabama Board of Pharmacy, License 14447
2002-2023	American Heart Association Basic Life Support for Health Care Provider
2002-2023	American Heart Association Advanced Cardiovascular Life Support Provider
April 2014	Making a Difference in Infectious Diseases Pharmacotherapy Antimicrobial Stewardship Certification
June 2019	Society of Infectious Diseases Pharmacists Antimicrobial Stewardship Certification
March 2021	APhA Immunization Certificate
April 2022	Pharmacogenomics Certification from Manchester University
2022-2028	Board Certified Infectious Diseases Pharmacist, Board of Pharmacy Specialties

### **ACADEMIC APPOINTMENTS**

2015-present	Affiliate Assistant Clinical Professor of Pharmacy Practice Auburn University Harrison College of Pharmacy Auburn, Alabama
2016-present	Adjunct Faculty McWhorter School of Pharmacy Preceptor Samford University Birmingham, Alabama

2022-present

Assistant Professor for Pharmacology  
Edward Via College of Osteopathic Medicine  
Auburn, Alabama

### **COMMITTEES AND LEADERSHIP**

2012-2021 Member and scribe, System Pharmacy and Therapeutics Committee (P&T)  
Baptist Medical Center South (BMCS), Montgomery, Alabama

2013-2021 Co-chair, BMCS Antimicrobial Stewardship Committee

2013-2021 Member, BMCS Pharmacy Leadership Team

2013-2021 Member, BMCS Infection Prevention and Control Committee

2015-2017 Member, BMCS Operating Room (OR) Advisory Committee

2015-2021 Member, Pharmacy Residency Advisory Council at BMCS

2015-2021 Ad hoc Member, BMCS Neonatal Intensive Care Unit Task force

2018-2021 Member, BMCS *Clostridioides difficile* Task force

2024-present VCOM Faculty Assembly & Senate

2024-present Via Recognition Research Day committee-Auburn campus

### **CLINICAL TEACHING EXPERIENCE**

2015-2021; 5-week rotations for fourth year pharmacy students on Infectious Diseases elective;  
2-4 per year; BMCS, Montgomery, Alabama

2015-2021; 4-week required rotation for pharmacy residents in Infectious Diseases and  
Antimicrobial Stewardship; ; BMCS, Montgomery, Alabama

2015-2021; Approximately six lectures per year to family medicine residents on diverse topics;  
Montgomery Family Medicine Residency Program, Montgomery, Alabama

### **TEACHING EXPERIENCE**

#### **Medical School**

2022-present Assistant Professor at Edward Via College of Osteopathic Medicine

Block 2 MED 7160: Musculoskeletal System Pharmacology I, lecturer, case-based learning  
moderator

Block 3 MED 7165: Neurological System and Special Senses Pharmacology II, lecturer, case-  
based learning moderator

Block 4 MED 7170: Cardiovascular and Pulmonary Systems: Pharmacology III, lecturer, case-  
based learning moderator

Block 5 MED 7175: Gastrointestinal and Renal Systems: Pharmacology IV, lecturer, case-  
based learning moderator

Block 6 MED 7180: Reproductive and Endocrine Systems Pharmacology V, lecturer, case-  
based learning moderator

Block 7 MED 7185: Integumentary, Hematologic, and Lymphatic Systems, and Psychiatry VI,  
lecturer, case-based learning moderator

### **Other Professional School**

2010-2014 NSG6649 Advanced Pharmacology for Nurse Practitioners, Adjunct Faculty, Troy University, Montgomery, Alabama; 100 students per year, 8 months per year

### **Continuing Medical Education**

June 2020 Gram Negative Resistance: Deciphering the Alphabet Soup. ACPE accredited continuing education offered for pharmacists across the state of Alabama. Montgomery, Alabama

### **CLINICAL EXPERIENCE/EMPLOYMENT**

July 2003-December 2010	<b>Relief Pharmacist</b>	Community Hospital-Tallassee, Alabama
July 2003-September 2012	<b>Clinical Pharmacist</b>	Jackson Hospital-Montgomery, Alabama
September 2012-November 2021	<b>Antimicrobial Stewardship Coordinator</b>	
August 2019- November 2020	<b>Interim Clinical Team Leader</b>	Baptist Medical Center South Montgomery, Alabama
July 2021-present	<b>Volunteer pharmacist</b>	Mercy Medical Ministry & Clinic Auburn, Alabama

### **PROFESSIONAL AFFILIATIONS**

2014-present; Member of the Alabama Society of Health-System Pharmacist (AHSP)  
2017-present; Inaugural member of the Alabama Infectious Disease Society (ALIDS)  
2020-2021; Member of the Infectious Diseases Society of America (IDSA)  
2021-present; Member of the Southeastern Research Group Endeavor (SERGE-45)  
2021-present; Member of the American College of Clinical Pharmacy (ACCP)

### **HONORS AND AWARDS**

2016 BMCS Pharmacy Residency Program Cultivation Award for Best Practice Coach  
2017 BMCS Pharmacy Residency Program Cultivation Award for Best Practice Coach  
2019 Joint Commission Best Practices Library –Medical Advocate Outreach EMR collaboration

### **PROFESSIONAL SERVICE**

#### **National, Regional, & State Advisory Committees**

Field tester for the 2022 Infectious Diseases Pharmacy Recertification Course  
Field tester for the 2022 Infectious Diseases Specialty Pharmacy Literature Studies  
October 2023: Skin and Skin Structure Chapter reviewer for the 7th edition of Pharmacotherapy

Principles and Practice

Field tester for the 2023 Infectious Diseases Pharmacy Recertification Course

2023 Board Certified Infectious Diseases Pharmacist (BCIDP) Exam Item Writer

## **MENTORING ACTIVITIES**

2022-2023 Academic Advisor for 11 OMS I students, VCOM Class of 2026

2023-present Academic Advisor for 11 OMS II students, VCOM Class of 2027

2024-present Academic Advisor for 10 OMS I students, VCOM Class of 2028

## **Research Mentorship**

Project mentor for pharmacy resident projects:

1. 2014-2015: Evaluation of Vancomycin Loading Doses in achieving rapid target trough levels. Mei Lei, PharmD. Baptist Medical Center South Pharmacy Residency Program, Montgomery, Alabama.
2. 2019-2020: Incidence of Vancomycin Induced Nephrotoxicity through Comparison of Steady-State Trough levels vs. Area Under the Curve/Minimum Inhibitory Concentration Ratio. Ryan Powell, PharmD. Baptist Medical Center South Pharmacy Residency Program, Montgomery, Alabama.

Project mentor for osteopathic medical school students:

1. 2022: Healthcare Associated Infections: How COVID19 Impacted the Trends. Cassidy Clark, OMS-II and Rishika Pandey, OMS-II, Edward Via College of Osteopathic Medicine-Auburn campus, Auburn, Alabama.
2. 2023: COVID-19 Vaccine Distribution: A Healthcare Disparity? Daniel Song, OMS III, Edward Via College of Osteopathic Medicine-Virginia campus, Blacksburg, Virginia.
3. 2023: Comparative Study on the Time Trends of Antimicrobial Resistance at Animal and Human Hospitals in a Shared Community. Mackenzie Blackstock, OMS II, Edward Via College of Osteopathic Medicine-Auburn campus, Auburn, Alabama.
4. 2023: Comparison of ChatGPT and Lexicomp as sources of medication-related patient education. Julie Kay OMS II, Edward Via College of Osteopathic Medicine-Auburn campus, Auburn, Alabama.
5. 2023: Guideline-directed Treatment of Chronic Kidney Disease in an Indigent population. Chelsea Whatley. OMS II, Edward Via College of Osteopathic Medicine-Auburn campus, Auburn, Alabama.
6. 2024: The Impact Of Butyrate As A Chemotherapy Adjunct In Treatment Of Colorectal Cancer: A Systematic Review. Ashley Veltri. OMS II, Edward Via College of Osteopathic Medicine-Auburn campus, Auburn, Alabama.

## INSTITUTIONAL SERVICE

2022-present; Interprofessional education facilitator (IPE)  
2022-present; Interviewer for medical school applicants  
2022-present; CMDA participant in weekly meetings and biweekly leaders meetings  
2022, 2024- Poster judge for Via Research Recognition Day, DocTrot, Volunteer at Mercy Medical Clinic  
2023, 2024- DocTrot, Auburn City Fest Volunteer, Volunteer at Mercy Medical Clinic  
2023-present- Early Clinical Experience (ECE) facilitator  
2024- Interprofessional Education (IPE) Poverty simulation facilitator

## GRANTS and CONTRACTS

### Active Grants

Grant: VCOM-HCOP Seed Funding for Research  
Source: Edward Via College of Osteopathic Medicine  
Role: Co-PI with Andrea Perkins, Laura Huber, and Elizabeth Covington  
Dates: 8/23/2024 – 06/30/2025  
Title: Investigation of antimicrobial resistance in dog urinary pathogens:  
Implications for One Health  
Total award: \$40,000.00

## PUBLICATIONS

Lallani, S. B., **Hyte, M.**, Trieu, E., Reyes-Sacin, C., & Doan, N. Use of an Intracranial Drain as a Conduit for Treatment of an Intracranial Streptococcus intermedius Abscess. Cureus. 2021 Apr 21;13(4):e14613. doi: 10.7759/cureus.14613.PMID: 34040913.

**Hyte ML**, Arphai LJ, Vaughn CJ, Durham SH. The Role of Bezlotoxumab for the Prevention of Recurrent Clostridioides difficile Infections: A Review of the Current Literature and Paradigm Shift after 2021. Antibiotics. 2022; 11(9):1211. <https://doi.org/10.3390/antibiotics11091211>.

**Hyte M**, Clark C, Pandey R, Redden D, Roderick M, Brock K. How COVID-19 impacted CAUTI and CLABSI rates in Alabama. Am J Infect Control. 2023 May 30:S0196-6553(23)00381-4. doi: 10.1016/j.ajic.2023.05.014. Epub ahead of print. PMID: 37263421; PMCID: PMC10226899.

Covington EW, Watts Alexander CS, Sewell J, Hutchison AM, Kay J, Tocco L, **Hyte M**. Unlocking the future of patient Education: ChatGPT vs. LexiComp® as sources of patient education materials. J Am Pharm Assoc (2003). 2024 May 8:102119. doi: 10.1016/j.japh.2024.102119. Epub ahead of print. PMID: 38729608.

## **Non-Peer Reviewed Publications**

The Facts about Antibiotics and Your Kids. *Montgomery Parents* magazine. November 2013.  
Baptist Medical Center South-Improving Antibiotic Use with an Antimicrobial Stewardship Program. Vizient Southeast Bright Ideas Blog. Published June 27, 2016.

## **PROFESSIONAL PRESENTATIONS**

1. 2014-2021 (annually). Antibiotics and Antifungals. Annual presentation to students in the School of Medical Laboratory Science at Baptist Medical Center South, Montgomery, Alabama.
2. 2015. Development of Antimicrobial Competencies and Training for Staff Hospital Pharmacists. Journal club presentation to BMCS Pharmacy Staff.
3. 2015. Pneumonia: There is an AP for that. Inservice presented to Baptist Family Medicine Residents and BMCS Pharmacy Staff.
4. 2015. Antimicrobial Stewardship: Past, Present and Future. Alabama Society of Health-System Pharmacists clinical meeting. Birmingham, Alabama.
5. 2015. Bloodstream Infection. Inservice presented to Baptist Family Medicine residents and BMCS Pharmacy Staff.
6. 2015. Antimicrobial Stewardship. Presentation to the third- and fourth-year medical students, UAB School of Medicine Montgomery campus.
7. 2016-2021 (annually). Clinical Pharmacy Orientation/Antimicrobial Stewardship. Presentation to the medical residents from Baptist Health Family Medicine Residency Program, Montgomery, Alabama.
8. 2017. When Antimicrobial Stewardship Isn't Watching: Education Impact of Critical Care Prospective Audit and Feedback. Journal Club presentation to BMCS Pharmacy Staff. 2016.
9. COPD. Inservice presented during noon conference to the Baptist Family Medicine Residents and BMCS Pharmacy Staff.
10. 2017. The Antibiotic Had Its Day. Journal club presentation to BMCS Pharmacy Staff.
11. 2018. ID Update: Review from the UAB ID Update. Inservice for BMCS Pharmacy Staff.
12. 2018. An Update on Antimicrobial Stewardship at Baptist Medical Center South. Presentation to Quality Administration.
13. 2019. Catheters, cultures and CAUTIs. Inservice presented to medical staff at the surgery section meeting at BMCS.
14. 2019. Partial Oral versus Intravenous Antibiotic Treatment of Endocarditis. Journal club presented to the BMCS Pharmacy department.
15. 2019. Osteomyelitis. Inservice presented to medical staff, medical residents, pharmacy staff and residents at BMCS.
16. 2023. Dressed for Success. Presentation to pharmacy technician class at Auburn High School.
17. 2024. VCOM Research Rounds: How COVID-19 Impacted CAUTI and CLABSI rates in Alabama. Conducted via zoom.
18. 2024. Drug Reactions. Presentation to pharmacy technician class at Auburn High School.

## Television

Live television interview with WMCF 13 on Antibiotic Resistance. Montgomery, Alabama. May 2014.

Live television interview with WSFA 12, a local NBC affiliate on the World Health Organization report. Montgomery, Alabama. May 2014.

## POSTERS

Economic Impact of Two Antimicrobial Stewardship Initiatives at a Tertiary Care Academic Medical Care. **Melanie Hyte**, PharmD., Margaret Ryman, B.S. PharmD, Mary McKnight, PharmD, Toya Rogers, PharmD, Matthew Nolin, M.S., PharmD, Baptist Health, Baptist Medical Center South- Montgomery, AL, McKesson Pharmacy Optimization, Roseville, MN: Poster presented by Dr. Hyte at ASHP Midyear Anaheim, California December 2014.

Compliance with Clinical Practice Guidelines for MRSA bacteremia in hospitalized patients and its impact on clinical outcomes. Sonali Advani, MD, MPH; **Melanie Hyte**, PharmD; Jewell Halanych, MD; Bernard Camins, MD, MSc,- University of Alabama at Birmingham School of Medicine, Birmingham, AL, USA: Poster presented by Dr. Advani at ID Week in San Francisco, California October 2015.

Healthcare Associated Infections: How COVID19 Impacted the Trends. 2022. **Melanie Hyte**, PharmD, BCIDP, Cassidy Clark OMSII, Rishika Pandey, OMSII, David Redden, PhD, Melanie Roderick, MPH, Alabama Department of Public Health, Kenny Brock, DVM, PhD. Edward Via College of Osteopathic Medicine-Auburn campus. Poster presented at Via Research Recognition Day, VCOM Auburn campus February 2023. Received 2<sup>nd</sup> place in the poster contest. Also presented to VCOM Rural Medicine Conference, Nashville, Tennessee August 2023. Received 2<sup>nd</sup> place in the category Current Research Related to Rural Health Issues and Rural Medicine.

COVID-19 Vaccine Distribution: A Healthcare Disparity? 2023. **Melanie Hyte**, PharmD, BCIDP, Mayra Rodriguez, PhD, David Redden, PhD, Edward Via College of Osteopathic Medicine-Auburn campus. ePoster presented at OMED conference virtually, October 2023.

Comparative Study on the Time Trends of Antimicrobial Resistance at Animal and Human Hospitals in a Shared Community.2024. **Melanie Hyte**, PharmD, BCIDP<sup>1</sup>; Andrea Perkins, PhD, PH, CPH<sup>2</sup>; Mackenzie Blackstock, MS, OMS-II<sup>1</sup>, Sarah Grace Gunter, PharmD, BCIDP<sup>3</sup>, Laura Matthews, PharmD, MS<sup>3</sup> and Laura Huber, DVM, MSc, PhD, DACVPM<sup>2</sup> Laura Matthews, PharmD, MS<sup>3</sup> and Laura Huber, DVM, MSc, PhD, DACVPM<sup>2</sup>

<sup>1</sup>Edward Via College of Osteopathic Medicine, Auburn Campus, Auburn, Alabama.

<sup>2</sup>Auburn University College of Veterinary Medicine, Auburn, Alabama.

<sup>3</sup>East Alabama Health, Opelika, Alabama

Via Research Recognition Day. February 2, 2024. VCOM Auburn campus. Auburn, Alabama

Comparison of ChatGPT and Lexicomp as sources of medication-related patient education.

Elizabeth W. Covington, PharmD, BCIDP<sup>1</sup>, Courtney S. Watts Alexander, PharmD, BCPS, BCOP<sup>1</sup>, Jeanna Sewell, PharmD, BCACP<sup>1</sup>, Amber Hutchison, PharmD, BCPS<sup>1</sup>, Julie Kay, OMSII<sup>2</sup>, Lucy Tocco, PharmD Candidate<sup>1</sup>, **Melanie Hyte**, PharmD, BCIDP<sup>2</sup>

<sup>1</sup>Auburn University Harrison College of Pharmacy

<sup>2</sup>Edward Via College of Osteopathic Medicine –Auburn campus

Alabama Society of Health System Pharmacists Annual Meeting. November 3, 2023.

Birmingham, Alabama. The poster placed 1<sup>st</sup> in the innovation category.

Via Research Recognition Day. February 2, 2024. VCOM Auburn campus. Auburn, Alabama; 3<sup>rd</sup> place in the Education category.

Guideline-Directed Treatment of Chronic Kidney Disease in an Indigent Population. Chelsea

Whaley OMS-II, **Melanie Hyte**, PharmD, BCIDP, Edward Via College of Osteopathic Medicine -

Auburn campus Haydyn Jones, HCOP P3, Jeanna Sewell, PharmD, BCACP, Harrison College of Pharmacy, Auburn University. Via Research Recognition Day. February 2, 2024. VCOM Auburn campus. Auburn, Alabama.

## **OTHER**

2022-present Church of the Highlands Administration and Outreach Team

2022-present Christian Medical and Dental Association (CMDA) participant in weekly meetings

2023-present Monthly ladies bible study for Christian Medical and Dental Association (CMDA)