

Matthew A. Wanat, PharmD, BCPS, BCCCP, FCCM

University of Houston College of Pharmacy
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EDUCATION & RESIDENCY TRAINING

Houston Methodist Hospital, Houston, TX July 2011 – July 2012
Critical Care Pharmacy Specialty Residency
Post-Graduate Year Two

Houston Methodist Hospital, Houston, TX June 2010 – June 2011
Pharmacy Practice Residency
Post-Graduate Year One

Northeastern University School of Pharmacy, Boston, MA September 2004 – May 2010
Doctor of Pharmacy

ACADEMIC APPOINTMENTS

University of Houston College of Pharmacy, Houston, TX September 2018 - Present
Clinical Associate Professor (Primary Appointment) (Critical Care/Cardiology)

University of Houston College of Pharmacy, Houston, TX August 2012 – August 2018
Clinical Assistant Professor (Critical Care/Cardiology)

University of Houston College of Pharmacy, Houston, TX August 2018 - Present
Program Director, Fellowship in Academic Pharmacy

University of Houston College of Pharmacy, Houston, TX July 2018 - Present
Assistant Director, Prescription Drug Misuse Education and Research (PREMIER) Center

Baylor College of Medicine, Houston, TX March 2014 - Present
Clinical Instructor (Critical Care/Cardiology)

PHARMACY PRACTICE EXPERIENCE

Michael E. DeBakey Veterans Affairs Medical Center, Houston, TX March 2013 - Present
Clinical Pharmacy Specialist – Cardiac ICU (practice site)

Houston Methodist Hospital, Houston, TX August 2012 - Present
Clinical Pharmacy Specialist I – Critical Care (PRN)

The Methodist Hospital, Houston TX June 2010 – July 2012
Pharmacy Resident (PGY1 & PGY2 Critical Care)

Spaulding Rehabilitation Hospital, Boston, MA April 2006 – May 2010
Pharmacy Intern

<i>Walgreen's Pharmacy, San Diego, CA</i> Pharmacy Intern (co-op)	September 2007 – December 2007
<i>Partner's Healthcare Clinical Informatics and Research Development, Wellesley, MA</i> Pharmacy Informatics Intern (co-op)	January 2007 – May 2007
<i>CVS Pharmacy, East Hartford, CT & Boston, MA</i> Pharmacy Intern	April 2005 – April 2006

CERTIFICATIONS & LICENSES

<i>Texas State Board of Pharmacy</i> Pharmacist License # 49012	July 2010 - Present
<i>Texas State Board of Pharmacy</i> Pharmacist Preceptor	January 2011 - Present
<i>Board of Pharmacy Specialties</i> Board Certified Pharmacotherapy Specialist (BCPS)	November 2011 - Present
<i>Board of Pharmacy Specialties</i> Board Certified Critical Care Pharmacist (BCCCP)	November 2015 - Present
American Pharmacists Association Pharmacy-based Immunization Delivery, Faculty Trainer	December 2014 - Present
American Pharmacists Association Pharmacy-based Immunization Delivery, Certified Immunizer	May 2013 - Present
<i>University of Houston College of Pharmacy, Houston, TX</i> Teaching and Scholarship in Academia Program, Teaching Certificate	September 2010 – June 2011
<i>Houston Methodist Hospital</i> ACPE Accredited Anticoagulation Certificate Program (16 hours)	October 2010 - June 2011
<i>American Academy of Pediatrics, American Heart Association</i> Pediatric Advanced Life Support (PALS)	July 2010 – July 2014
<i>American Heart Association</i> Advanced Cardiovascular Life Support (ACLS)	June 2010 - Present
<i>American Heart Association</i> Basic Life Support (BLS)	July 2008 - Present

HONORS & AWARDS

<i>Rho Chi Society – University of Houston College of Pharmacy</i> Teaching Excellence Award	2013, 2015, 2017, 2020
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<i>University of Houston</i> 50 in 5 Awardee (For \$1M+ grant)	Fall 2020
<i>Society of Critical Care Medicine</i> Presidential Citation	2015, 2016, 2017, 2018, 2019, 2020
<i>Texas Chapter of the American College of Cardiology</i> ACC Travel Stipend (\$1000)	2017, 2018, 2019
<i>International Society of Thrombosis and Hemostasis</i> Top Rated Abstract	July 2018
<i>Faculty Affairs Committee, University of Houston College of Pharmacy</i> Excellence in Teaching Award	May 2014 & May 2018
<i>International Society of Thrombosis and Hemostasis</i> Young Investigator Research Award	March 2018
<i>American College of Critical Care Medicine</i> Fellow of the American College of Critical Care Medicine (FCCM)	February 2018
<i>University of Houston College of Pharmacy</i> Faculty Preceptor of the Year Award	Spring 2017
<i>University of Houston, Office of the Provost</i> Provosts Travel Fund Award (\$1,200)	Summer 2016
<i>University of Houston, Office of the Provost</i> Teaching Excellence Award (\$8,000)	Spring 2016
<i>Society of Critical Care Medicine – Texas Chapter</i> Excellence in Service Award (Education)	Spring 2016
<i>Phi Lambda Sigma Leadership Society, University of Houston College of Pharmacy</i> PLS Faculty Leadership Award	Spring 2015
<i>Society of Critical Care Medicine – Texas Chapter</i> Excellence in Leadership Award	Spring 2015
<i>Phi Lambda Sigma Leadership Society - University of Houston Pharmacy, Houston, TX</i> Leadership Society Induction	Spring 2014
<i>Northeastern University, Boston, MA</i> School of Pharmacy Commencement Speaker	May 2010
<i>New England Pharmacists Association Convention, Mashantucket, CT</i> Pain Management Patient Counseling Competition Winner	October 2009

Group Awards

<i>Society of Critical Care Medicine</i> Chapters Alliance Excellence Award – Awarded to SCCM Texas Chapter (Role: President)	February 2019
<i>University of Houston, Office of the Provost</i> Provosts Group Teaching Excellence Award (Finalist)	December 2018
<i>Texas Society of Health-System Pharmacists</i> 2017 TSHP Residency Program Excellence Award	Spring 2017
<i>Society of Critical Care Medicine</i> Chapters Alliance Excellence Award – Awarded to SCCM Texas Chapter (Role: Board of Directors)	Spring 2015
<i>University of Houston Campus Leaders</i> Outstanding Program Award – Awarded to Student Society of Health-System Pharmacists	Spring 2015

TEACHING EXPERIENCE

University of Houston College of Pharmacy, Houston, TX

<u>Cardiovascular II Module – Course Coordinator (3 credits)</u>	Spring 2020 - present
Advanced Hemodynamics for Pharmacists	Spring 2020 - present
Cardiac Diagnostics	Spring 2020 - present
Vasopressors and Inotropes in Shock	Spring 2020 - present
Cardiopulmonary Arrest (ACLS)	Spring 2020 - present
Heart Failure – Chronic (2 hours)	Spring 2020 - present
Heart Failure – Decompensated	Spring 2020 - present
Cardiac Devices	Spring 2020 - present
EKGs for Pharmacists (2 hours)	Spring 2020 - present
Valvular Heart Disease	Spring 2020 - present
Skills Lab Facilitator (30 hours/semester)	Spring 2020 - present

Cardiovascular I Module

Venous Thromboembolism (3 hours)	Spring 2020 - present
Genetic Considerations With Anticoagulants	Spring 2020 - present

Neurology Module

Therapeutics of Anesthetic Agents (1.5 hours)	Fall 2020 - present
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Non-Module Related Skills Lab (N-MRSL) Sterile Products

Skills Lab Facilitator (40 hours/semester)	Fall 2019 - present
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Critical Care Therapeutics – Course Coordinator

Critical Care Therapeutics Skills Lab Facilitator (8 hours/semester)	Summer 2013 - present
Acute Respiratory Distress Syndrome/Mechanical Ventilation	Summer 2013 - present
Acid-Base Disorders	Summer 2013 - present
Cardiac Arrest	Summer 2015 - present
Alcohol Withdrawal	Summer 2015 - present

Advanced Therapeutics I,II & III

Therapeutics I Skills Lab Facilitator (6 hours/semester)	2013 - 2018
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Therapeutics II Skills Lab Facilitator (24 hours/semester)	2012 - 2018
Therapeutics III Skills Lab Facilitator (24 hours/semester)	Spring 2013 - 2020
Cardiac Arrest and ACLS	Spring 2013 - 2020
Atrial Arrhythmias (2 hours)	Spring 2013 - 2018
Ventricular Arrhythmias	Spring 2013 - 2018
Venous Thromboembolism and Heparin-induced Thrombocytopenia (3 hours)	Spring 2013 - 2020
Congestive Heart Failure (2 hours)	Spring 2013 - 2020
Acute Decompensated Heart Failure	Spring 2013 - 2020
Sedation-Analgesia-Delirium	Spring 2013 - 2020
Critical Care Mega Patient Case	Spring 2012 - 2013
Men's Health: Erectile Dysfunction	Spring 2014 - 2017
Alcohol Withdrawal	Fall 2012 & 2013
Gout and Hyperuricemia	Fall 2010 & Fall 2011

Physical Assessment

Electrocardiograms for Pharmacists (2 hours)	Fall 2016 - 2019
Electrocardiogram Skills Lab (2 hours)	Fall 2016 - 2019
Electrocardiograms – A review	Fall 2015
Hemodynamic Monitoring for the Pharmacist	Fall 2012 - 2019
Physical Assessment Skills Lab Facilitator (6 hours/semester)	Fall 2012 – Fall 2015

Pharmacy Practice II (Drug Information/Research Skills) – Course Coordinator

Drug Information Skills Lab Facilitator (18 hours/semester)	Spring 2013 - 2018
Drug Information for Pharmacists/P&T Committee/Literature Intro (2 hours)	Spring 2013 - 2018
Medical/Research Ethics (2 hours)	Spring 2013 - 2018
Systematic Approach to Answering Drug Information Questions (2 hours)	Spring 2016 - 2018
Literature Evaluation (2 hours)	Spring 2016 - 2018

Pharmacy Practice IV (Hospital and Community Pharmacy) – Course Coordinator

Collaborative Practice Agreements and Prescribing Authority	Spring 2019
Ethics in the Pharmacy Setting	Spring 2019
Conflict Resolution	Spring 2019

Pharmacy Practice Skills Lab

Basic Pharmacy Assessment Skills Assessment (12 hours/year)	Fall 2015 - 2018
Sterile Products Skills Lab Facilitator (30 hours/year)	Fall 2013 - 2019
Immunizations Skills Lab Facilitator (3 hours/year)	Spring 2013 - 2019

Clinical Seminar – Postgraduate Training Track Longitudinal Course (Course Coordinator)

Intro to Residency/Residency Timeline	Summer 2015 - present
Resident/Program Director Panel Discussion	Summer 2015 - present
CV Workshop, Letter of Intent and Letters of Recommendation	Summer 2015 - present
Residency Interviews & Navigating the Midyear Meeting	Summer 2015 - present
Clinical Cases and Presentations on Residency Interviews	Summer 2015 - present
How to Succeed From the Start of Residency	Summer 2015 - present

UHCOP Teaching Certificate Program

Creating a Teaching Portfolio (2 hours)	Fall 2013 - 2017
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<u>Principles of Drug Action – PHAR2362 (Undergraduate Course)</u>	
Pathophysiology of the CNS	Fall 2012 & Spring 2013
Alcohol and its Effects on the Human Body	Fall 2012 & Spring 2013
Stimulants and Amphetamines	Spring 2013
Marijuana	Spring 2013

<i>Texas Southern University: College of Pharmacy, Houston, TX</i>	
<u>Therapeutics</u> : Acute respiratory distress syndrome (ARDS)	Fall 2011

<i>Northeastern University School of Pharmacy, Boston, MA</i>	
<u>Pharmacoeconomics lecture</u> : Making it to ASHP Midyear 2010: Tips on abstract writing	Spring 2010
<u>Pharmacy Practice</u> : Skills lab co-facilitator	Spring 2010
<u>Academia Rotation (Elective)</u> – Pharmacoeconomics	Spring 2010
<u>Therapeutics I lecture</u> : Obesity and metabolic syndrome	Summer 2009
<u>Therapeutics I</u> : Skills Lab co-facilitator	Summer 2009
<u>Academia Rotation (Elective)</u> – Therapeutics I	Summer 2009

UNIVERSITY, HOSPITAL & PROFESSIONAL SERVICE

<u>University of Houston, Houston, TX (University wide committee)</u>	
Health Professions Advisory Committee	Fall 2017 - present
Student Conduct and Sexual Harassment Appellate Board	Fall 2013 - 2019

<u>University of Houston College of Pharmacy</u>	
Student Affairs Committee (Member)	Fall 2020 - present
Student Professional Conduct Board (Faculty Co-chair)	Fall 2020 - present
Assessment Committee (Member)	Fall 2019 - present
PharmD Attendance Task Force (Chair)	Summer 2018 - Present
PPTR Department Social Events Committee	Fall 2016 - Present
PharmD Student Awards Committee (Member)	Spring 2013 - Present
Faculty Development Committee (Chair)	Fall 2017 - 2020
Admissions and Progression Committee (Chair)	Fall 2016 - 2019
Curriculum Subcommittee – Turnitin Policy	Spring 2015
UHCOP Self-Study Accreditation Steering Committee (Member)	July 2015 - 2017
Standard 20 - Preceptors and 22 - Pharmacy Practice Facilities (Chair)	July 2015 - 2017
Postgraduate Training Advisory Committee (Chair)	Fall 2014 - 2016
PharmD Experiential Advisory Committee (Chair)	Fall 2014 – Summer 2016
Admissions and Progressions Committee (Member)	Fall 2012 – Summer 2016

<u>University of Houston College of Pharmacy – Office of the Dean</u>	
Drug Information Consulting – Special Projects	March 2014 - Present

<u>Faculty Search Committees</u>	
Research Assistant Professor – PREMIER Center (Chair)	Spring 2021
Clinical Faculty Research Focused Position (Member)	Spring 2017
Ambulatory Care Clinical Faculty Position (2) (Member)	Spring 2016
Institutional APPE Director (Member)	Fall 2013
Assistant Dean for Student and Professional Affairs (Member)	Summer 2013
Managed Care Clinical Faculty Position (Member)	Summer 2013
Ambulatory Care Clinical Faculty Position (Member)	Spring 2013

Michael E. DeBakey Veterans Affairs Medical Center

Cardiopulmonary Resuscitation Committee	July 2013 - Present
Residents Advisory Council	July 2013 - Present
Critical Care Committee	April 2013 – April 2015
Protocol/Guideline Workgroups – Antiplatelet Order set, Sepsis guidelines, ICU Drip Reference Guide, Dofetilide Protocol, Alteplase During Cardiac Arrest Workgroup (ad-hoc), Aspirin De-Sensitization Protocol, Cangrelor	

Society of Critical Care Medicine – Texas Chapter

Past-President	February 2018 - 2019
President	January 2017 – February 2018
President-Elect	January 2016 – January 2017
Board of Directors	March 2013 – February 2019
Research Committee (Member)	March 2019 - Present
Symposium Committee (Member)	October 2013 – 2019
Communications Committee (Chair)	October 2013 – January 2015
Communications Committee (Member)	October 2010 – October 2013

Society of Critical Care Medicine

Undergraduate Education Committee (Chair)	February 2021 – February 2022
Undergraduate Education Committee (Chair-elect)	February 2020 – February 2021
SCCM Congress Abstract Reviewer	August 2016 - Present
CPP Education Committee (Member)	January 2015 - Present
Clinical Pharmacy and Pharmacology (CPP) Section (Member)	August 2012 - Present
Undergraduate Education Committee (Member)	January 2018 – 2020
Chapters Alliance Nominations Committee (Member)	October 2016 – January 2017
Chapters Alliance (Member)	March 2016 - 2019
SCCM Congress Program Planning Committee	March 2016 - 2018
Item Writing Committee (Member)	September 2013 - 2017
Advanced Knowledge Assessment in Adult Critical Care Committee (Member)	September 2013 - 2017

American College of Cardiology

Accreditation Committee	2019 - 2020
Cardiovascular Team Editorial Fellow	December 2017 – December 2018
Cardiovascular Team (Member)	June 2015 - Present
Cardiovascular Team Communication Work Group	June 2015 - 2017

Texas Society of Health System Pharmacists (TSHP)

Education Affairs Council (Member)	April 2020 - present
ACPE Review Committee (Chair)	April 2020 - present
Education Affairs Council (Member)	June 2017 - 2018
Board of Directors	June 2016 - 2017
Education Affairs Council (Chair)	June 2016 - 2017
Editorial Advisory Board Committee (Member)	June 2013 - 2016
Educational Affairs Council (Member)	May 2013 – May 2016
Membership Development Council (Member)	June 2011 - June 2013

American College of Clinical Pharmacy

Resident/Fellow Travel Award Reviewer	Fall 2015 - Present
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Critical Care PRN Network - Program Committee	November 2014 - Present
Critical Care PRN Network - Awards Committee	November 2014 - 2018
<u>American Society of Health-System Pharmacists</u>	
Faculty Advisory Panel	June 2018 - 2020
SSHP Faculty Advisor	Summer 2013 - Present
ASHP Student CV Reviewer	Fall 2012 - present
<u>American Association of College of Pharmacy</u>	
Experiential Education Programming Committee	Summer 2016 - 2017
AACP Faculty Delegate (Primary)	2015-16
AACP Faculty Delegate (Alternate)	2014-15
<u>Baylor College of Medicine</u>	
Pharmacy Content Expert – Eisenberg Center for Clinical Decisions	June 2016 - 2018
<u>Houston Methodist Hospital, Houston, TX</u>	
Policy Creation– Patient Care/Patient Safety Policy– Disposable regional analgesia pumps (Committee’s presented to: Medication Safety, OR, Patient Safety, P&T)	February 2011
Gap Analysis Survey – Comparison of clinical vs. staff pharmacist perceptions in the ICU setting	May 2011
Medication Use Evaluation – ICU sedation protocol quality analysis	May 2011
Order-Set Revision – Methylprednisolone for spinal cord injury order set	May 2011
Policy Revision – Pharmacy policy L.2.4. – Pharmacy and Therapeutics Committee Structure	April 2011
Qualitative Research – TMH PGY1 pharmacy residency applicant characteristics study	March 2011
Medication Safety Matters– Dronedarone and liver toxicity: Med Watch® reporting	March 2011
Monograph Recommendation: Dabigatran (Pradaxa®)	November 2010
Monograph Recommendation: Citicoline (CerAxon®)	September 2010
<u>Northeastern University School of Pharmacy, Boston, MA</u>	
Curriculum Proposal: The role of advanced writing for the disciplines in the pharmacy curriculum	June 2009
<u>Spaulding Rehabilitation Hospital Pharmacy, Boston, MA</u>	
Policy Presentation: Pharmacy technician daily responsibility protocol	July 2006

GRANT FUNDING

Texas Health and Human Services (via Substance Abuse and Mental Health Services Administration)

PI: Douglas Thornton Aug 2018– Sept 2022
 Co-I: Matthew Wanat (20%)
 Texas Improved Dissemination and Evaluation of Single-Use Disposal Pouches (TIDES)
 Total Award: \$6,800,000/4 years (funded)

Substance Abuse and Mental Health Administration

Sep 2020 – Aug 2022

PI: Austin De La Cruz
 Co-I: Tamara Al Rawwad, Doug Thornton, Matthew Wanat (5%)
 Expansion of Interprofessional Substance Use Disorders Education Among Pharmacy and Medical Students
 Total Award: \$200,000/2 years (funded)

Texas Health and Human Services (via Substance Abuse and Mental Health Services Administration)

PI: Douglas Thornton

Jan 2016 – Aug 2021

Co-I: Matthew Wanat (20%)

Strategic Prevention Framework for Prevention of Prescription Drug Misuse

Total Award: \$1,500,000/5 years (funded)

American Thrombosis Investigator-Initiated Research Program (ARISTA-USA)

Jan 2016 – 2018

Bristol-Myers Squibb/Pfizer

PI: Matthew Wanat

Co-I: Susan Abughosh, Marc Fleming, Hua Chen, Michael Johnson

Risk of Thrombosis and Bleeding in Patients on Warfarin or Apixaban (Eliquis) and Concomitant Anti-arrhythmic Medications

Total Award: \$209,798 (funded)

Mallinckrodt Pharmaceuticals

June 2014 – December 2015

PI: Marc Fleming

Co-I: Sujit Sangsiry, Susan Abughosh, Hua Chen, Matthew Wanat, Larry Driver & Knox Todd

Texas Prescribers Attitudes and Predicted Pain Management Based on Rescheduling of Hydrocodone

Total Award: \$94,000 (funded)

Houston Assembly of Delphian Chapters Scholarship Foundation Fund

April 2014

Education Grant for Student Health Fair Consumables and Supplies

Total Award: \$800 (funded)

University of Houston Teaching Innovation Program Grant (TIPS)

February 2014

PI: Lindsay Schwarz

Co-I: Doug Eikenburg, Shari Mauthner, Matthew Wanat & Louis Williams

Surveying Knowledge-Based Critical Thinking Skills: a Logic and Case-Based Self-Assessment

Total Award: \$24,897 (funded)

Houston Assembly of Delphian Chapters Scholarship Foundation Fund

April 2013

Primary Investigator: Matthew Wanat

Education Grant for CPR Mannequins for College of Pharmacy Experiential Training

Total Award: \$500 (funded)

University of Houston New Faculty Research Grant

December 2012

Primary Investigator: Matthew Wanat

Critical Care Pharmacy Specialists Impact on Pharmacotherapy Interventions and Cost Savings: a Texas Medical Center Study

Total Award: \$6,000 (funded)

PUBLICATIONS (30)

Lopez CN, Sulaica EM, Donahue KR, **Wanat MA**. Updates in hemodynamic monitoring: a review for pharmacists. *J Pharm Pract*. 2021 Mar. online ahead of print. PMID: 33769132

Kiles TM, Zhao AV, **Wanat MA**, Garey KW, Hatfield CL. Knowledge and self-perception comparisons between students with and without prior technician experience in community pharmacy lab courses. *Curr Pharm Teach Learn*. 2021 Mar;13(3):279-287. PMID: 33641739

Kiles TM, Garey KW, **Wanat MA**, Pitman P. A survey to assess experiences and social support of underrepresented minority doctor of pharmacy students. *Curr Pharm Teach Learn*. 2021 Mar;13(3):245-254. PMID: 33641734.

Wanat MA, Varkey DA, Sulaica EM, Thornton KA, Thornton JD. Does social desirability influence preceptors completion of student experiential evaluations? *Am J Pharm Educ*. 2020 Sep;84(9). PMID: 33012802

Nguyen D, Du N, Sulaica EM, **Wanat MA**. Bempedoic acid: a new drug for an old problem. *Ann Pharmacother*. 2021 Feb;55(2):246-251. PMID: 32674598

Sulaica EM, Asias-Dinh BD, **Wanat MA**, Birtcher KK. Is there still a role for aspirin in primary prevention in women in 2020? *Curr Atheroscler Rep*. 2020 Jun;22(8):34. PMID: 32556683

Adil MQ, De La Cruz A, Thornton JD, **Wanat MA**. Incidence of chronic opioid use in previously opioid-naïve patients receiving opioids for analgesia in the intensive care unit. *Fed Pract*. 2020;37(4):170-176. PMID: 32322148

Imarhia F, Varisco TJ, **Wanat MA**, Thornton JD. Prescription drug disposal: products available for home use. *J Am Pharm Assoc (2003)*. 2020;S1544-3191. Doi: 10.10106/j.japh.2020.01.004

Sulaica EM, **Wanat MA**, Macaulay TE. Clinical considerations prior to transition from triple antithrombotic therapy to dual antithrombotic therapy. *JAMA Cardiol* 2019 [Epub ahead]. Doi: 10.1001/jamacardio.2019.4542.

Sulaica EM, Macaulay TE, Helbing RR, Abo-Aly M, Abdel-Latif A, **Wanat MA**. A Comparison of anticoagulation, antiplatelet, and placebo treatment for patients with heart failure reduced ejection fraction in sinus rhythm: a systematic review and meta-analysis. *Heart Fail Rev* 2019 [Epub ahead]. doi: 10.1007/s10741-019-09818-w.

Varisco TJ, Fleming ML, Bapat SS, **Wanat MA**, Thornton D. Health care practitioner counseling encourages disposal of unused opioid medications. *J Am Pharm Assoc (2003)* 2019;59(6):809-815. doi: 10.1016/j.japh.2019.07.010

Wanat MA, Wang X, Paranjpe R, et al. Warfarin versus apixaban for non-valvular atrial fibrillation: a large, national, study and sub-analysis of patients on concurrent anti-arrhythmic medications. *Res Pract Thromb Haemost* 2019;3(4):674-683. doi: 10.1002/rth2.12221.

Mohan A, **Wanat MA**, Abughosh SM. Medication taking behaviors in patients taking warfarin versus direct oral anticoagulants: A systematic review. *Expert Rev Cardiovasc Ther* 2019 May 29:1-8. doi: 10.1080/14779072.2019.1620600.

Fleming ML, Driver L, Sangsiry S, Abughosh SM, **Wanat MA**. Drug Enforcement Administration rescheduling of hydrocodone combination products is associated with changes in physician pain management prescribing preferences. *J Pain Palliat Care Pharmacother* 2019;33(1-2):22-31. doi: 10.1080/15360288.2019.1615027.

Succar L, Sulaica EM, Donahue KR, **Wanat MA**. Management of anticoagulation with Impella percutaneous ventricular assist devices and review of new literature. *Journal of Thrombosis and Thrombolysis*. March 2019. DOI: 10.1007/s11239-019-01837.

Lewing B, Sawant R, **Wanat M**, Sangsiry S. Examination of the Admissions Process and Admissions Outcomes of a College of Pharmacy in the United States of America. *Pharmacy Education* 2019;19(1):138-145.

Wanat MA, Fitousis K. Comment: Critical care pharmacists and medication management in an ICU recovery center. *Ann Pharmacother* 2018 Sep 6. DOI: 1060028018799290.

Sawant R, Lewing B, **Wanat M**, Sangsiry S. Predictors of On-site Interview Selection and Admission for a Doctor of Pharmacy Program using the Pharmacy College Application Service (PharmCAS) Criteria. *Currents in Pharmacy Teaching and Learning* 2018. doi.org/10.1016/j.cptl.2018.06.020.

Wanat MA, Tucker AM, Coyle EA. A Critical care hybrid online elective course for third-year pharmacy students: comparison to traditional didactic teaching methods. *Am J Pharm Educ* 2016 Nov 25;80(9):154. DOI: 10.5688/ajpe809154.

Fleming ML, Driver L, Sangsiry S, Abughosh SM, **Wanat MA**, Sawant RV, Ferries E, Reeves K, Todd KH. Physicians' intention to prescribe hydrocodone combination products after rescheduling: a theory of reasoned action approach. *Res Social Adm Pharm* 2016 Jul 29;(16)30228-5. Doi:10.1016/j.sapharm.2016.07.001.

Thompson-Moore NR, **Wanat MA**, Putney DR, Nguyen Liebl PH, Chandler WL, Muntz JE. Evaluation and Pharmacokinetics of Treatment-Dose Enoxaparin in Hospitalized Patients. *Clin Applied Thromb Hemost* 2015 PMID:25601898

Wanat MA, Swan JT. Critical Care Pharmacotherapeutics: book review. *J Pharma Care Health Systems* 2014; S1-007. Doi: 10.4172/jcphs.S1-007.

Fleming ML, **Wanat MA**. To Prescribe codeine, or not to prescribe codeine? *J Pain Palliat Care Pharmacother* 2014 Aug 7. PMID: 25102040

Wanat MA, Fleming ML, Fernandez JM, Garey KW. Education, training and academic experiences of 2012-2013 US college of pharmacy faculty members: a survey of first time faculty members. *Am J Pharm Educ* 2014 Jun;78(5): 92. doi: 10.5688/ajpe78592.

Wanat MA, Fitousis K, Bostan F, Masud F. Comparison of dexmedetomidine versus propofol for sedation in mechanically ventilated patients after cardiovascular surgery. *Methodist Debaquey Cardiovasc J* 2014 Apr; 10(2):111-117. PMID: 25114763.

Wanat MA, Garey K. Transitioning pharmacy residents into successful clinical faculty at colleges of pharmacy: a starting blueprint. *Am J Pharm Educ* 2013 Nov; 77(9):200. doi: 10.5688/ajpe779200.

Wanat MA. Novel oral anticoagulants: a review of new agents. *Postgrad Med* 2013 Jul;125(4):103-14. doi: 10.3810/pgm.2013.07.2683.

Wanat MA, Fitousis K, Hall J, Rice L. PF4/Heparin antibody testing and treatment of heparin-induced thrombocytopenia in the ICU. *Clin Appl Thromb Hemost* 2013 Jun;19(3):297-302. doi: 10.1177/1076029612438709.

Wanat MA, Hart SR, Putney D, Liebl M, Chandler WL. Alternative monitoring of argatroban with plasma-diluted thrombin time. *Ann Pharmacother* 2013 Apr;47(4):e18. doi: 10.1345/aph.1R644.

Wanat MA, Nguyen P, Tebbe S. Heparin-Induced Thrombocytopenia: Recognition, Treatment and the Pharmacist Role. *TSHP* 2011; 12:14-19.

PUBLICATIONS (Non-Peer Reviewed)

Wanat MA. The 47th Society of Critical Care Medicine Annual Congress. American College of Cardiology CV Team Section. July 10th, 2018. Available online at: <https://www.acc.org/membership/sections-and-councils/cardiovascular-team-section/section-updates/2018/07/10/14/42/the-47th-society-of-critical-care-medicine-annual-congress>.

Wanat MA. Clinical Pearl – Incorporating new guidelines into your education and clinical practice. TSHP Student Newsletter, May 2014.

Parma JM, **Wanat MA.** Diuretic resistance in heart failure patients. MEDVAMC Pharmacy Newsletter, Dec 2013.

Wanat MA. A Review of the 2013 ACCF/AHA guidelines for the management of heart failure: key updates for pharmacists. Michael E. DeBaKey Pharmacy Newsletter, Fall 2013

Wanat MA. The Last Xigris®? Gulf-Coast Society of Health-System Pharmacists. December/January 2012 Newsletter.

TMH Pharmacy and Therapeutics News. The Methodist Hospital, Houston, TX. May 2010, Volume 4, Issue 5.

TMH Pharmacy and Therapeutics News. The Methodist Hospital, Houston, TX. April 2010, Volume 4, Issue 4.

BOOK CHAPTERS & EDUCATIONAL MODULES

Wanat MA. Interactive Case: The Pharmacists' Patient Care Process in the ICU. In: Stollings J, ed. *Issues in Critical Care Practice*. American College of Clinical Pharmacy. September 2020; ISBN-13: 978-1-952291-08-1.

Wanat MA, Sulaica E. Aspirin therapy for primary prevention of cardiovascular disease. <http://www.acc.org>. June 14th, 2019. <https://www.acc.org/education-and-meetings/patient-case-quizzes/2019/06/14/08/27/aspirin-therapy-for-primary-prevention-of-cvd>

Wanat MA. Pharmacokinetics and Pharmacodynamics. Virtual Critical Care Rounds I Educational Module – Society of Critical Care Medicine. Updated February 2019.

Holyk A, **Wanat MA.** Prevention of cardioembolic stroke in obese patients with non-valvular atrial fibrillation. <http://www.acc.org>. June 10th, 2018. Available online: <http://www.acc.org/education-and-meetings/patient-case-quizzes/2018/06/28/15/11/prevention-of-cardioembolic-stroke-in-obese-patients-with-nonvalvular-atrial-fibrillation>.

John M. Eisenberg Center for Clinical Decisions and Communications Science at Baylor College of Medicine. Managing gout: a review of the research for adults. Agency for Healthcare Research and Quality (AHRQ). January 2017. Available online at: https://ahrq-ehc-application.s3.amazonaws.com/media/pdf/gout_consumer.pdf

John M. Eisenberg Center for Clinical Decisions and Communications Science at Baylor College of Medicine. Diagnosis and management of gout: current state of the evidence. Agency for Healthcare Research and Quality (AHRQ). January 2017. Available online at: <https://www.effectivehealthcare.ahrq.gov/topics/gout/clinician>

INVITED PRESENTATIONS

National

Increasing the Safety and Quality of Opioid Prescribing (Session Chair). Academy Health Annual Research Meeting. Virtual. June 2020.

Voluntary Diversity Committees Can Effectively Drive Change Within Institutions – ALFP Debate. American Association of Colleges of Pharmacy 2021 Interim Meeting. Virtual. February 2021.

Models of Translational Research in Critical Care [moderator]. Society of Critical Care Medicine – Discovery, the Critical Care Research Network. Virtual Webinar. July 2020.

Venovenous vs. venoarterial extracorporeal membrane oxygenation & pulsatile versus continuous ventricular assist devices. Society of Critical Care Medicine 2020 Annual Congress. Orlando, FL. February 2020.

Making the match: assessing strategies for student success in obtaining postgraduate training. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Discussion of didactic, co-curricular, and novel teaching activities to prepare students to have a positive impact on patients with opioid use disorder. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Don't Bypass the Knowledge: Updates in Cardiovascular Surgery Pharmacotherapy. Society of Critical Care Medicine 2019 Annual Congress, San Diego, CA. February 2019.

Multidisciplinary Care in the ICU Roundtable. Society of Critical Care Medicine 2019 Annual Congress, San Diego, CA. February 2019.

Building an Effective and Efficient Database for your Research – Michael Shashaty, MD. Society of Critical Care Medicine Discovery Research Network. July 2018. [moderator]

The Role of Postgraduate Training Fellowship Programs With a Primary Focus in Academia. American Association of Colleges of Pharmacy 2018 Annual Meeting, Boston, MA. July 2018.

Stroke Prevention in Atrial Fibrillation: Choosing the Best Anticoagulant in Special Populations. American College of Cardiology Annual Meeting 67th Scientific Session and Expo. Orlando, FL. March 2018.

Acute Cardiogenic Shock: Progress, Paradigm, and Unresolved Problems. American College of Cardiology Annual Meeting 66th Scientific Session and Expo. Washington, DC. March 2017.

Pharmacotherapy of Acute Decompensated Heart Failure and Ventricular Arrhythmias. Veterans Health Administration Pharmacy Benefits Manager Education Board Certification Prep Course. March 2016.

Cardiology Pharmacy Practice Panel Session. American Society of Health-System Pharmacists Annual Meeting, Anaheim, CA. December 2014

Transitioning Pharmacy Residents into Successful Clinical Faculty: A Starting Blueprint. American Association of Colleges of Pharmacy, 2013 Annual Meeting, Chicago, IL. July 2013

Pharmacy implications with enteral nutrition. Pharmacy OneSource, Wolters Kluwer Health. April 2012.

State/Regional Presentations

Optimizing Research Collaborations: My Journal as a Clinical Faculty Member. University of North Texas College of Pharmacy Research Seminar Series. January 2021.

Stop the bleed: use of reversal agents for direct oral anticoagulant bleeding. Texas Society of Health-System Pharmacists Annual Meeting. Virtual Symposium. September 2020.

PADIS Guidelines – Do we always use narcotics. Society of Critical Care Medicine Texas Chapter 9th Annual Symposium. Virtual Symposium. September 2020.

Anticoagulation reversal – use of specific reversal agents for direct oral anticoagulants. Society of Critical Care Medicine Texas Chapter 8th Annual Symposium. Houston, TX. October 2019

A Call to counsel: developing the skillset to effectively counsel patients on their opioid prescriptions [CE Webinar]. Prescription drug misuse education and research [PREMIER] Center at the University of Houston College of Pharmacy. June 2019.

Finding the right balance: strategies for educating and mentoring the next generation of critical care practitioners. Society of Critical Care Medicine Texas Chapter 7th Annual Symposium. Dallas, TX. October 2018.

Mechanical circulatory support: what every pharmacist needs to know. Texas Society of Health-System Pharmacists Annual Meeting. The Woodlands, TX. April 2018.

Preceptor workshop: strategies for managing difficult situations. Texas Society of Health-System Pharmacists Annual Meeting. The Woodlands, TX. April 2018.

Society of Critical Care Medicine - Texas Chapter Business Meeting. Society of Critical Care Medicine Texas Chapter 6th Annual Symposium. Galveston, TX. November 2017.

Debate: Warfarin versus the “rest of the world” for prevention of stroke in non-valvular atrial fibrillation. Texas Society of Health-System Pharmacists Annual Meeting. Houston, TX. April 2014.

Comparison of dexmedetomidine versus propofol for sedation in intensive care unit patients after coronary artery bypass or valve surgery. Midwest Pharmacy Residents Conference 2012, Omaha, NE. May 2012.

Research Abstracts/Poster Presentations (41)

Babino J, Putney K, Taylor R, Thornton JD, Wanat MA. Evaluation of opioid prescribing in coronary artery bypass patients following implementation of post-operative discharge prescribing interventions. American Society of Health-System Pharmacists Midyear Meeting. Virtual. December 2020.

Harvey RM, Hart EA, Putnam M, Hudson RM, Wanat MA. Pharmacist-administered penicillin G benzathine injection in the setting of a specialty pharmacy-HIV private practice partnership. American Society of Health-System Pharmacists Midyear Meeting. Virtual. December 2020.

Also presented at 2021 American Pharmacists Association Annual Meeting. Virtual. March 2021.

Tata V, Al Rawwad T, Campbell D, Wanat MA, Thornton JD. Feasibility of community prevention organizations in promoting prescription medication disposal [platform presentation]. Academy Health 13th Annual Conference on the Science of Dissemination and Implementation in Health. Virtual. October 2020.

Zhong C, De La Cruz A, Wanat MA, Sansgiry SS. Diversity/Life experiences scores' impact on the demographic makeup of students in a pharmacy school program. American Association of Colleges of Pharmacy 2020 Annual Meeting. Virtual. July 2020.

Kefer E, Gutierrez MA, Jerezano GC, Sapp N, Pitman EP, Wanat MA. The impact of an e-orientation program on the new pharmacy students orientation process. American Association of Colleges of Pharmacy 2020 Annual Meeting. Virtual. July 2020.

Ozeki R, Garey KW, Wanat MA, Komiyama N, Komoda M. Comparison of bleeding complications in patients treated with five oral anticoagulants. American College of Cardiology Annual Meeting. March 2020 (virtual).

Gee A, Bhatt PJ, Thornton JD, Wanat MA. Evaluation of the new Texas opioid-related continuing education requirement and pharmacists' perceived importance of counseling on opioid related prescriptions. American Society of Health-System Pharmacists Annual Meeting, Las Vegas, NV. December 2019.

Kabbani R, Wanat MA, Macaulay TE, Helbing RR, Sulaica EM. Evaluating the efficacy and safety of the direct oral anticoagulants in left ventricular thrombus: a systematic review. American Society of Health-System Pharmacists Annual Meeting, Las Vegas, NV. December 2019.

Wanat MA, Nguyen KA, Ordonez ND, Thornton JD. Effect of elective pharmacy courses on student performance during advanced pharmacy practice experiences. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Wanat MA, Fernandez JM, Varkey DA, Coyle EA. Teaching impact of a structured fellowship in academic pharmacy at a college undergoing curricular change. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Haghparsat P, Fernandez JM, Ordonez ND, Nguyen KA, Coyle EA, Wanat MA. Effect of competitive longitudinal advanced pharmacy practice experience on residency pursuit and match rates. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Kiles TM, Zhao AV, Wanat MA, Garey K, Hatfield CL. Comparison of knowledge gained in a community pharmacy lab course between students with and without prior community pharmacy technician work experience. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

****Awarded top poster by a resident, fellow or post-doc at meeting****

Thornton JD, Wanat MA, Low EV, Yande S, Crowley S, Pitman P, Fleming ML. Evaluation of a substance use disorder educational event for doctor of pharmacy students. American Association of Colleges of Pharmacy 2019 Annual Meeting, Chicago, IL. July 2019.

Anyanwu P, Sansgiry S, Thornton D, Wanat MA. A Decision analysis of adding angiotensin ii to renal replacement therapy to treat patients with acute kidney injury and vasodilatory shock. International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, New Orleans, LA. July 2019.

Mohan A, Wanat MA, Abughosh SM. Medication taking behaviors in patients taking warfarin versus direct oral anticoagulants: a systematic review. International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, New Orleans, LA. July 2019.

Villanueva E, Abughosh S, Carbajal S, Egwim O, Wanat MA. Evaluating the Efficacy of Motivational Interviewing on Enhancing Medication Adherence for Heart Failure Patients at An Academic Health System. Alcalde Southwest Leadership Conference. Frisco, Texas. April 2019.

Adil MQ, De La Cruz A, Wanat MA. Prevalence of long term opioid dependence in opioid naïve patients receiving opioid infusions for analgesia in the intensive care unit. American Society of Health-Systems Pharmacists Annual Meeting, Anaheim, CA, December 2018.

Wanat MA, Abughosh S, Chen H, et al. Effect of anti-arrhythmic medication drug interactions on thrombotic and bleeding outcomes in patients with atrial fibrillation. International Society of Thrombosis and Hemostasis 64th Annual Scientific Meeting, Dublin, Ireland. July 2018.

Wanat MA, Abughosh S, Chen H, et al. Risk of thrombosis and bleeding in patients treated with warfarin or apixaban for non-valvular atrial fibrillation: A large, national, retrospective study. International Society of Thrombosis and Hemostasis 64th Annual Scientific Meeting, Dublin, Ireland. July 2018.

Stokes LB, Bertrand L, Colavecchia AC, Roux RK, Wanat MA, Aparasu RR. Evaluation of a pharmacy-led bedside medication delivery service at a comprehensive cancer center. University of Houston Medication Safety Symposium. June 2018.

Tran TT, Dreucean D, DeLaTorre R, Li J, Abughosh S, Chen H, Wang X, Johnson M, Fleming M, Wanat MA. Comparison of baseline characteristics in patients with non-valvular atrial fibrillation on warfarin versus apixaban: a retrospective cohort analysis. American Society of Health-System Pharmacists Annual Meeting, Orlando, FL. December 2017.

Ordonez N, Wanat MA, Coyle EA. Implementation of multiple professional development tracks for advanced pharmacy practice experience (APPE) students. American Association of Colleges of Pharmacy Annual Meeting, Nashville, TN. July 2017.

Wanat MA, Donahue KR, Lee M, et al. Comparison of a cardiac arrest simulation lab to a paper-based case on student learning/perceptions. Society of Critical Care Medicine Annual Congress. Honolulu, HI. January 2017.

Fleming ML, Driver L, Sansgiry SS, Wanat MA, et al. Impact of hydrocodone rescheduling on Texas physicians future pain management. International Society of Pharmacoeconomics and Outcomes Research, International Meeting. Washington, DC. May 2016.

Fleming ML, Driver L, Sansgiry SS, et al (#6). Predicting Texas physicians' intention to prescribe hydrocodone combination products after rescheduling. International Society of Pharmacoeconomics and Outcomes Research, International Meeting. Washington, DC. May 2016.

Ly DC, Fleming ML, Johnson ML, Wanat M. Student perception, attitude and barriers to completion of assigned reading material during pharmacy school. Texas Society of Health-System Pharmacists Annual Meeting. Frisco, TX. April 2016

Mersek J, Pham C, Patel K, Wanat M. Comparison of efficacy and safety outcomes between warfarin and target specific oral anticoagulants in patients on concomitant anti-arrhythmic medications. American Society of Health-System Pharmacists Midyear Annual Meeting. New Orleans, LA. December 2015.

Wanat MA, Tucker AM, Coyle EA. A Critical care hybrid online elective course: comparison to traditional didactic teaching methods. American Association of Colleges of Pharmacy Annual Meeting. National Harbor, MD. July 2015.

Wanat MA, Shah DN, Garey KW. An In-class research project to teach fundamentals of conducting research; breaking away from the traditional lecture. American Association of Colleges of Pharmacy Annual Meeting. National Harbor, MD. July 2015.

McLean E, Murillo J, Wanat MA. Carboplatin- vs. Cisplatin- containing regimens in the treatment of metastatic non-small cell lung cancer: a retrospective cost minimization analysis. University Health-system Consortium Meeting at ASHP Annual Meeting. Anaheim, CA. December 2014.

Wanat MA, Swan J, Laine G, et al. Critical Care Pharmacists Impact on Pharmacotherapy. Society of Critical Care Medicine Annual Congress. San Francisco, California. January 2014.

Wanat M, Hart S, Putney D, et al. Alternative monitoring of argatroban using plasma-diluted thrombin times. Society of Critical Care Medicine Annual Congress. San Juan, Puerto Rico. January 2013.

Sirimaturos M, Noell B, Wanat M, et al. Evaluation and safety of a modernized intensive care units continuous insulin infusion order set. Society of Critical Care Medicine Annual Congress. San Juan, Puerto Rico. January 2013.

Kuriakose S, Liebl M, Wanat M. Vasopressin versus norepinephrine in patients with septic shock. American Society of Health-System Pharmacists Midyear Annual Meeting. Las Vegas, NV. December 2012.

Wanat M, Fitousis K, Bostan F, et al. Cost-effectiveness analysis of dexmedetomidine versus propofol for sedation in mechanically ventilated patients after cardiovascular surgery; an institutional perspective. American College of Clinical Pharmacy. Virtual Poster Symposium, 2012.

Wanat M, Fitousis K, Bostan F, et al. Comparison of dexmedetomidine versus propofol for sedation in intensive care unit patients after coronary artery bypass or valve surgery. University Health-system Consortium Meeting at ASHP Annual Meeting. New Orleans, LA. December 2011.

Thompson-Moore N, Wanat M, Putney D, et al. Enoxaparin dosing and anti-xa levels in medically-ill, morbidly obese patients. University Health-system Consortium Meeting at ASHP Annual Meeting. New Orleans, LA. December 2011.

Wanat M, Fitousis K, Hall J, et al. Ordering of heparin PF-4 antibodies and treatment of heparin-induced thrombocytopenia in the ICU. International Society of Thrombosis and Haemostasis Meeting. Kyoto, Japan. July 2011.

Wanat M, Fitousis K, Hall J, et al. Characterizing heparin-induced thrombocytopenia in the ICU. American Society of Health-System Pharmacists Annual Meeting. Anaheim, CA. December 2010.

Barr J, Bird S, Pepe S, Wanat M, et al. Inventory of the scholarship of assessment, learning and teaching at Northeastern University. American Association of Colleges of Pharmacy Annual Meeting. Seattle, WA. July 2010.

Wanat M, Dierks G, Krause A, Le D, Patel N. Cost-effectiveness of aliskiren versus lisinopril as treatment in mild to moderate hypertensive patients in the reduction of blood pressure over eight weeks: A third-party payer perspective. American Society of Health-System Pharmacists Midyear Annual Meeting. Las Vegas, NV. December 2009.

Local Presentations

Pharmacy during the pandemic townhall [moderator]. Operation Heart – APhA. Virtual event. November 2020.

Tapering opioid prescriptions. University of Houston College of Pharmacy Convocation. November 2019.

Roping in that first large grant: lessons learned along the way. University of Houston College of Pharmacy – Pharmacy Practice and Translational Research Clinical Seminar. March 2019.

Medical marijuana and medication assisted treatment options: a debate. University of Houston College of Pharmacy Convocation. October 2018.

Creation of a Fellowship in Academic Pharmacy to Enhance Curricular Change. University of Houston College of Pharmacy Open House. October 2018.

Work life integration: Conversations that matter. Gulf-coast Society of Health-System Pharmacists Leaders of Tomorrow Committee. October 2017.

Interviewing Workshop. University of Houston College of Pharmacy, Student Society of Health-System Pharmacists. April 2016.

Pharmacy Career Panel. University of Houston Pre-Pharmacy Association. April 2016.

Clinical Pharmacy Career Path. University of Houston College of Pharmacy High School Summer Camp. June 2015 and 2016.

Heparin-induced thrombocytopenia: considerations in anticoagulation management [CE Presentation]. Houston Methodist Hospital. October 2015.

Contemporary Pharmacy Practice in the Cardiac ICU. University of Houston College of Pharmacy Faculty Retreat. May 2015.

Clinical pearls for completing in the clinical skills competition. University of Houston College of Pharmacy, Student Society of Health-System Pharmacists. Fall 2014 and 2015.

The “how-to” of Job Searching for Residents. Texas Medical Center Residency Council. November 2013.

Introduction to clinical pharmacy and ACCP. University of Houston College of Pharmacy, Student Society of Health-System Pharmacists. November 2013.

Academia as Pharmacy Career Path. APhA-ASP Student Meeting, University of Houston College of Pharmacy. April 2013.

Pathophysiology and treatment of hepato-renal syndrome. Pharmacy Forum – Houston Methodist Hospital. February 2012.

Surgery residents ABSITE board review: pharmacy review. Department of Surgery, Houston Methodist Hospital. January 2012.

Pulmonary physiology and ARDS. Houston Methodist Hospital Pharmacy Student Lectures. Recurring for 2012.

Use of tPA in emergency situations. Emergency Department Physicians Meeting – Houston Methodist Hospital. September 2011.

Treatment of venous thromboembolism. Houston Methodist Hospital Pharmacy Student Lectures. Recurring for 2012.

Intro to Residency: How to find your match. University of Houston College of Pharmacy, Student Society of Health-System Pharmacists. October 2011 and 2012

Pharmacy implications with enteral nutrition [CE Presentation]. Houston Methodist Hospital. October 2011.

Treatment of venous thromboembolism [CE Presentation]. Houston Methodist Hospital. April 2011.

A Review of vasopressors. Medical ICU Nursing Department – Houston Methodist Hospital. November 2010.

Aztreonam inhaled (Cayston®): A novel inhaled therapy. Respiratory Care Fall Seminar 2012 – Houston Methodist Hospital. October 2010.

Respiratory treatments in cystic fibrosis. Pharmacy Forum – Houston Methodist Hospital. September 2010.

Anticoagulation with fondaparinux (Arixtra®). Nursing Department – VA Boston. February 2010.

The role of statins in preventing cerebral vasospasm. Clinical Pharmacy Meeting – Boston Medical Center. October 2009.

A Closer look at clopidogrel: triple therapy, drug interactions and future uses. Boston Healthcare for the Homeless Meeting. October 2009.

Ethylene glycol overdose. Clinical Pharmacy Meeting - Lahey Clinic. July 2009.

Cost-effectiveness of aliskiren versus lisinopril as treatment in mild to moderate hypertensive patients in the reduction of blood pressure over eight weeks: A third-party payers perspective. Northeastern University School of Pharmacy. April 2009.

MEDIA REQUESTS/PODCASTS

Ventricular Arrhythmias. Pharmacy to Dose Podcast. July 2020.

Available online: <https://pharmacytodose.com/2020/07/26/ventricular-arrhythmias-show-notes/>

Fighting the flu: tips to reduce the cost of a Tamiflu prescription. KHOU11 CBS Houston. February 12, 2018.

Available online: <http://www.khou.com/article/news/health/tips-to-reduce-the-cost-of-a-tamiflu-prescription/285-517941686>

The First Year of Pharmacy Practice. Society of Critical Care Medicine CPP Section Education Committee Podcast.

Available online: <https://goo.gl/EyvyqK>

New Pharmacy Practitioner Spotlight. American Society of Health-System Pharmacists. October 2013.

Is Dexmedetomidine really cost effective? Pharmacy Practice News. December 14, 2012. Available online: http://www.pharmacypracticenews.com/ViewArticle.aspx?d=Clinical&d_id=50&i=December+2012&i_id=912&a_id=22284

EDITORIAL SERVICES

American Journal of Pharmacy Education (AJPE)

Editorial Board	July 2019 - present
Lyman Award Selection Task Force	September 2020 - present
Peer Reviewer Quality Task Force	October 2019 – July 2020

National Association of Boards of Pharmacy, Chicago, IL

PCOA Examination Item Writer	2013 - Present
NAPLEX Examination Item Writer	

Board of Pharmaceutical Specialties

Board Certified Pharmacotherapy (BCPS) Exam Item Writer	Ad-hoc
Board Certified Critical Care Pharmacist (BCCCP) Exam Item Writer	Ad-hoc

Society of Critical Care Medicine

Advanced Knowledge Assessment, Adult – Exam Item Writer	Spring 2014 - 2017
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Texas Society of Health-System Pharmacists

Editorial Advisory Board	June 2013 – June 2016
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Society of Critical Care Medicine – Texas Chapter

Editor - SCCM Texas Chapter Critical Care Newsletter	November 2012 – March 2016
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Vascular Health and Risk Management

Consulting Editor	June 2015 – 2018
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American College of Clinical Pharmacy (ACCP)

Critical Care Self-Assessment Program – Acute GI Bleeding (Reviewer)	Fall 2013 - Present
Critical Care Standard Setting Panel	
(2018 Clinical Reasoning Series in Critical Care; Prep Course: Pharmacotherapy; 2019 Fundamentals of Biostatistics, Updates in Therapeutics 2019; CCSAP 2019 Books 1-3; PSAP in JACCP; 2018 Updates in Critical Care Webinar; PSAP 2020 Book 2 Pulmonary and Gastrointestinal; Pharmacotherapy Review and Recertification Course 2016 – Cardiology; PSAP 2014 Book 1 – Critical and Urgent Care; PSAP 2013 Book 2 - Special Population	

Abstract/Continuing Education Peer Reviewer

American Association of Colleges of Pharmacy Annual Meeting	Spring 2018 - Present
American College of Cardiology Annual Congress	Fall 2017 - Present
Society of Critical Care Medicine Annual Congress	Fall 2016 - Present
Texas Society of Critical Care Medicine Annual Symposium	Fall 2013, 2019
Texas Society of Health-System Pharmacists Annual Meeting	Spring 2013 - Present
ASHP Midyear Meeting – (Critical Care/Anticoagulation)	Fall 2011 - Present
Pharmacy Times CE Presentations	September 2020

Journal Peer Reviewer (Ad-hoc 8-10 reviews per year)	2010 - present
Advances in Pharmacological Sciences	
American Journal of Health-System Pharmacy (AJHP)	
American Journal of Pharmaceutical Education (AJPE)	
Annals of Pharmacotherapy	
British Journal of Clinical Pharmacology	
Currents in Pharmacy Teaching and Learning	
Clinical and Applied Thrombosis and Hemostasis	
Clinical Medicine Insights: Case Reports	
Clinical Pharmacology: Advances and Applications	
Federal Practitioner	
Integrated Pharmacy Research and Practice	
International Journal of General Medicine	
International Medical Case Reports Journal	
Journal of Health-System Pharmacy Residents	
Journal of Multidisciplinary Healthcare	
Journal of Pharmacy Practice	
Journal of Pharmacy Technology	
Pediatric Quality and Safety	
Pharmacotherapy	
Postgraduate Medicine	
Research Reports in Clinical Cardiology	
Texas Society of Health-System Pharmacists	
Therapeutics and Clinical Risk Management	
Vascular Health and Risk Management	

OTHER LEADERSHIP ACTIVITIES

Walmart Scholars Program – American Association of College of Pharmacy	
Mentor – Tyler Kiles, PharmD (Mentee)	July 2019
<i>PLS Leadership Society</i>	Fall 2017 - present
Mock Interviews and CV Review	
<i>University of Houston</i>	2015-2017
PALS Mentor (undergraduate mentor)	
<i>University of Houston College of Pharmacy, Houston, TX</i>	2014
Teaching Squares – Faculty Peer Evaluation Group	
<i>High School Science and Engineering Fair of Houston, Houston, TX</i>	February 2014
Judge – Science Fair	
<i>American Academy of Managed Care Pharmacy, University of Houston, Houston, TX</i>	Spring 2014 - Present
Competition Judge – Pharmacy and Therapeutics Competition	
<i>University of Houston/Texas South University College of Pharmacy</i>	January 2012
Residency Mentoring Social – Resident Participant	January 2011

<i>Texas Society of Health-System Pharmacists</i>	November 2011 - 2015
Student Mentor Program	
2014-2015 Student Mentee – Tre-Ion Lan (TSU)	2011 - Present
2013-2014 Student Mentee – Lan Bui (TSU)	
2012-2013 Student Mentee – Andrew Thompson (UT)	
2011-2012 Student Mentee - Mohammed Hersi (TSU)	
<i>University of Houston, Phi Lambda Sigma Leadership Challenge 2011</i>	October 2011
Roundtable Moderator	
<i>Texas Medical Center Pharmacy Residency Council</i>	June 2011 – July 2012
Pharmacy Council Co-Chair	
<i>School of Pharmacy, Northeastern University, Boston, MA</i>	April 2007 – May 2010
Vice President, Class of 2010	
<i>School of Pharmacy, Northeastern University, Boston, MA</i>	October 2009
Pharmacy Leadership Retreat	
<i>Northeastern University, Boston, MA</i>	September 2004 – April 2005
Vice President – Class Council 2009	

RESIDENTS/STUDENTS/FELLOWS PRECEPTED

Fellowship in Academic Pharmacy (Program Director)

Alaa Abdelhakiem, PharmD	2020 - present
Rania El-Desoky, PharmD	2020 – present
Rosalyn Reese, PharmD (now Clinical Assistant Professor at Xavier)	2019 - 2020
Celine Zhong, PharmD (now Clinical Assistant Professor at Texas Tech)	2019 - 2020
Tyler Kiles, PharmD (now Clinical Assistant Professor at Univ. of Tennessee)	2018 - 2019
Parna Haghparast, PharmD (now Clinical Assistant Professor at West Coast Univ)	2018 - 2019
Joshua Wollen, PharmD (now Clinical Assistant Professor at Univ. of Houston)	2018 - 2019

Postgraduate/PhD Student Mentorship

Soham Yande – Dissertation Committee (member)	2020 - present
Anjana Mohan – Dissertation Committee (member)	2020 - present
Rania El-Desoky, PharmD - Fellowship Research Project Advisor (faculty)	2020 - present
Justin Babino, PharmD - Thesis Project Advisor (chair)	2020 - 2021
Gloria Lee, PharmD – Thesis Project Advisor (chair)	2019 - 2020
Celine Zhong, PharmD – Fellowship Research Project Advisor (faculty)	2019-2020
Parna Haghparast, PharmD, BCPS – Fellowship Research Project Advisor (chair)	2018 - 2019
Mohammad Qasim Adil, PharmD – Residency Research Project Advisor (chair)	2018 - 2019
Elizabeth Villanueva, PharmD – Thesis Project Advisor (chair)	2018 - 2019
Amanda Grego, PharmD – Thesis Project Advisor (chair)	2016 – 2017
Claire McClain, PharmD – Special Projects Course (faculty)	Fall 2016
Laura Barbre Stokes, PharmD – Thesis Committee (faculty)	2016 - 2017
Jason Mersek, PharmD – Residency Research Project Advisor (chair)	2016

PharmD Residents Precepted (57)

Bria Wates, PharmD - Michael E. DeBakey PGY2 Amb Care Resident - Academia Rotation	April 2021
Alaina Rice, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	April 2021
Noelle Cordova, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	January 2021
Jessie Ho, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2020
Khushbu Patel, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2020
Linh Nguyen, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	March 2020
Jonathan Patterson, PharmD - Baylor St. Luke’s PGY1 Resident – Academia Rotation	January 2020
Fiona Imarhia, PharmD - Michael E. DeBakey PGY2 Amb Care Resident - Academia Rotation	January 2020
Shannon Dahlgren, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	November 2019
An Dieu, PharmD - Baylor St. Luke’s PGY1 Resident – Academia Rotation	October 2019
Linh Nguyen, PharmD - Baylor St. Luke’s Medical Center PGY1 Resident – Academia Rotation	October 2019
Fiona Imarhia, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	May 2019
Chandler Schexnayder, PharmD – Michael E. DeBakey VAMC PGY2 Amb Care Resident – Academia Rotation	April 2019
Isabel Won, PharmD – Baylor St. Luke’s Medical Center PGY1 Resident – Academia Rotation	April 2019
Alan Moyer, PharmD – Michael E. DeBakey VAMC PGY2 Admin Resident – Academia Rotation	April 2019
Trenton Vu, PharmD - Baylor St. Luke’s Medical Center PGY2 Critical Care Resident – Academia	January 2019
Kevin Lei, PharmD - Baylor St. Luke’s Medical Center PGY2 Critical Care Resident – Academia	October 2018
Chelsea Krueger, PharmD - MD Anderson Cancer Center PGY2 Critical Care Resident – CCU Rotation	June 2018
Oluchi Emelogu, PharmD – Michael E. DeBakey VAMC PGY2 Amb Care Resident – Academia Rotation	April 2018
Marcy Pilate, PharmD – Michael E. DeBakey VAMC PGY2 Admin Resident – Academia Rotation	April 2018
Kevin Lei, PharmD – Baylor St. Luke’s Medical Center PGY1 Resident – Academia Rotation	April 2018
Klay Ryman, PharmD – MD Anderson Cancer Center PGY2 Critical Care Resident – CCU Rotation	March 2018
Demaurian Mitchner, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	March 2018
Priyam Patel, PharmD – Baylor St. Luke’s Medical Center PGY2 Cards Resident – Academia	February 2018
Okiki Arojo, PharmD – Baylor St. Luke’s Medical Center PGY2 Critical Care Resident – Academia	January 2018
Chandler Schexnayder, PharmD, Michael E. DeBakey VA PGY1 Resident – Academia Rotation	January 2018
Heather Rozea, PharmD - Michael E. DeBakey VAMC PGY1 Resident – Academia Rotation	January 2017
Heather Rozea, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	November 2017
Kelsie Stark, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2017
Amanda Holyk, PharmD – Houston Methodist Hospital Critical Care Resident - Academia	June 2017
Anne Jones, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	June 2017
Amanda Shigle, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	May 2017
Elisabeth Sulaica, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	May 2017
Emily Van Klompenburg, PharmD - VAMC PGY2 Amb Care Resident – Academia Rotation	April 2017
Anne Jones, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	April 2017
Katie Athern, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	April 2017
Amanda Shigle, PharmD - Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	March 2017
Emily Van Klompenburg, PharmD - VAMC PGY2 Amb Care Resident – Academia Rotation	January 2017
Quyen Dao, PharmD – CHI St. Luke’s Health PGY2 Cardiology Resident – Academia Rotation	October 2016
Brooke Herndon, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	June 2016
Katherine Smith, PharmD - VAMC PGY2 Amb Care Resident – Academia Rotation	April 2016
Jessica Gardea, PharmD - Michael E. DeBakey VAMC PGY1 Resident – CCU Rotation	March 2016
Ellen Yin, PharmD, BCPS – CHI St. Luke’s Health PGY2 Cardiology Resident – Academia Rotation	January 2016
Jason Mersek, PharmD – Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2015
Jessica Gardea, PharmD – Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2015
Sara Wettergreen, PharmD - Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	March 2015
Ardath Mitchell, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	January 2015
Elizabeth Flatley, PharmD - VAMC PGY2 Amb Care Resident – Academia Rotation	January 2015
Katherine Smith, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2014

Sara Wettergreen, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2014
Anne Nguyen, PharmD - Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	June 2014
Jenn Nguyen, PharmD –VAMC PGY2 Amb Care Resident – Academia Rotation	April 2014
Chester Ashong, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	April 2014
Joy Chou, PharmD - Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	March 2014
Kathleen Sheehan, PharmD - Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	November 2013
Joy Martindale, PharmD - Michael E. DeBakey VAMC PGY1 Resident - Academia Rotation	October 2013
Christine Aguilar, PharmD – Michael E. DeBakey VAMC PGY1 Resident - CCU Rotation	April 2013

PharmD Students Precepted (6 week rotations) (57)

Dat Nguyen – Cardiac ICU	Spring 2020
Nathan Du – Cardiac ICU	Spring 2020
Darian Allen – Cardiac ICU	Fall 2019
Sara Osman – Cardiac ICU	Fall 2019
Brian Ho - Cardiology	Summer 2019
Callie Downs – Cardiology	Summer 2019
Mattie Talley – Cardiac ICU	Spring 2019
Ashley Kwan – Cardiac ICU	Spring 2019
Ibrahim Chowdhury – Cardiac ICU	Fall 2018
Bao Nguyen – Cardiac ICU	Fall 2018
Kristofer Rice – Cardiac ICU	Summer 2018
Thien-Song Diep – Cardiac ICU	Summer2018
Matt Bactdad – Cardiac ICU	Summer 2018
Larry Nguyen – Cardiac ICU	Summer 2018
Amy Kiley – Cardiac ICU	Spring 2018
Gifty Gyebi – Cardiac ICU	Spring 2018
Manal El-Khalil – Cardiac ICU	Fall 2017
William Giang – Cardiac ICU	Fall 2017
Katrina Watson – Cardiac ICU	Summer 2017
Casey Vauters – Cardiac ICU	Summer 2017
Alan Gracia – Cardiac ICU	Summer 2017
Grace Hwang, Cardiac ICU	Summer 2017
Amanda Nguyen – Cardiac ICU	Spring 2017
Susan Lowrie – Cardiac ICU	Spring 2017
Jared Moore – Cardiac ICU	Fall 2016
Rose Cherian – Cardiac ICU	Fall 2016
Thao Le – Cardiac ICU	Summer 2016
David Pham – Cardiac ICU	Summer 2016
James Roperes – Cardiac ICU	Spring 2016
Katherine Williams – Cardiac ICU	Spring 2016
Nghi Bui – Cardiac ICU	Fall 2015
Ron Le – Cardiac ICU	Fall 2015
Fenil Patel – Cardiac ICU	Summer 2015
Elisabeth Sulaica – Cardiac ICU	Summer 2015
Sunny Bhakta – Cardiac ICU	Summer 2015
Emily Rapesak – Cardiac ICU	Summer 2015
Amanda Woods – Cardiac ICU	Spring 2015
Jacob Cammarata – Cardiac ICU	Spring 2015
Minh Nguyen – Cardiac ICU	Fall 2014
Haruna Kato – Cardiac ICU	Fall 2014

Belinda Zhou – Cardiac ICU	Fall 2014
Noelle Nassri – Cardiac ICU	Fall 2014
Daniel Nguyen – Cardiac ICU	Summer 2014
Monica Lee – Cardiac ICU	Summer 2014
Martin Newton – Cardiac ICU	Spring 2014
Tanya Shie – Cardiac ICU	Spring 2014
Mariane Pham – Cardiac ICU	Fall 2013
Jennifer Parma – Cardiac ICU	Fall 2013
Melanie Laine – Cardiac ICU	Summer 2013
Van Hoang – Cardiac ICU	Summer 2013
Vu Ta – Cardiac ICU	Summer 2013
Patty Wu – Cardiac ICU	Summer 2013
Lauren Johnson – Medical ICU	Spring 2012
Dylan Austin – Surgical ICU (co-preceptor)	Fall 2011
Christopher Bui – Cardiovascular Surgery ICU (co-preceptor)	Summer 2011
Nancy Kang - Infectious Diseases (co-preceptor)	Spring 2011
Dana Smith - Infectious Diseases (co-preceptor)	Spring 2011

PROFESSIONAL MEMBERSHIPS

International Society of Thrombosis and Hemostasis	July 2018 - Present
Phi Lambda Sigma Pharmacy Leadership Society	March 2014 - Present
American College of Cardiology	February 2013 - Present
American Association of Colleges of Pharmacy	November 2011 - Present
Society of Critical Care Medicine	August 2011 - Present
American College of Clinical Pharmacy	April 2011 - Present
Texas Society of Health-System Pharmacists	January 2011 - Present
Texas Society of Critical Care Medicine	June 2010 - Present
American Society of Health-System Pharmacists	February 2009 - Present
Kappa Sigma Fraternity	September 2004 – Present

References available upon request
