

Marc L. Fleming, BPharm, MPH, MS, PhD

CONTACT INFORMATION

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EDUCATION

- Aug 2012 **Doctor of Philosophy, Pharmacy** (Health Outcomes and Pharmacy Practice)
The University of Texas at Austin, Austin, Texas
- May 2009 **Master of Science, Pharmacy** (Pharmacy Administration)
The University of Texas at Austin, Austin, Texas
- May 2000 **Master of Public Health**
Master's Capstone Project: Service Utilization for Depression by African Americans Compared to Caucasians
Virginia Commonwealth University, Richmond, Virginia
- May 1996 **Bachelor of Science in Pharmacy**
Texas Southern University, Houston, Texas

RESEARCH INTERESTS

Patient counseling, medication adherence, prescription drug misuse, and the use of prescription drug monitoring programs by pharmacists and physicians

ACADEMIC APPOINTMENTS

- Jan 2022 – present **Chapman University School of Pharmacy**
Professor and Chair, Department of Pharmaceutical Economics and Policy
- Sep 2021 – Dec 2021 **University of North Texas System College of Pharmacy**
Associate Professor, Department of Pharmacotherapy
- Feb 2019 – Sep 2021 **University of North Texas System College of Pharmacy**
Associate Professor and Chair, Department of Pharmacotherapy
- Sep 2018 – Jan 2019 **University of Houston, College of Pharmacy**
Associate Professor, Department of Pharmaceutical Health Outcomes and Policy
- Oct 2012 – Aug 2018 **University of Houston, College of Pharmacy**
Assistant Professor, Department of Pharmaceutical Health Outcomes and Policy (PHOP)

Feb 2015 – Aug 2017 **University of Houston, College of Pharmacy**
Adjunct Professor, Department of Pharmacy Practice and Translational Research (PPTR)
(formerly Clinical Sciences and Administration)

PROFESSIONAL LICENSURE

1996 Texas State Board of Pharmacy, Registered Pharmacist
1997 Virginia State Board of Pharmacy, Registered Pharmacist

HONORS AND AWARDS AND FELLOWSHIPS

Jul 2020 AACP - Academic Leadership Fellow Cohort 17
Mar 2018 2017 Best Reviewer, *Pharmacoepidemiology and Drug Safety*
May 2017 Excellence in Service Award
University of Houston College of Pharmacy
Feb 2017 Recognized as a “Top Reviewer”
Research in Social and Administrative Pharmacy (RSAP)
May 2016 Finalist Poster Award
21st Annual ISPOR International Meeting
2015 New Investigator Award
American Association of Colleges of Pharmacy
May 2015 Teaching Excellence Award
UH Rho Chi Society
Mar 2013 Best ESAS Postgraduate Podium Presentation Award
American Pharmacists Association (APhA) Annual Meeting, Los Angeles, CA
Mar 2011 Honorable Mention (2nd place) for Best Poster Presentation
APhA 2011 Annual Meeting, Seattle, WA
Jun 2010 3rd place for Best Poster Presentation
Southern Pharmacy Administration Conference, Memphis, TN
May 2008 1st place for Student Chapters Research Competition
International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Toronto, Canada
Jul 2007 Wal-Mart Scholar
Awarded by Wal-Mart at the American Associations of Colleges of Pharmacy Annual Meeting, Orlando, Florida
May 2007 2nd place for Student Chapters Research Competition
International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Arlington, Virginia
May 1996 Smith Kline Beecham Award for Patient Care
Texas Southern University

FUNDED RESEARCH/CONTRACTS

National Institute of Health (NIH) National Institute of Minority Health and Health Disparities (NIMHD) – U54 Project – 2, Project Lead (ClinicalTrials.gov Identifier: NCT03437694) Impact of Providing Medical Records in a Patient-Centered, Community Pharmacy Based, HIV Care Model This study is designed to compare HIV, diabetic and hypertensive outcomes differences in patients in which the pharmacist has access to medical records versus standard medication therapy management (MTM) care	Apr 2020 – May 2022
Texas Health and Human Services Commission (Substance Abuse and Mental Health Services funding) Texas Improved Dissemination and Evaluation of Single-Use Disposal Pouches (TIDES) Sub-award from the University of Houston, College of Pharmacy	Sep 2020 – Aug 2021
Texas Health and Human Services Commission (Substance Abuse and Mental Health Services funding) Strategic prevention framework for prescription drugs – Project Director: Kasey Strey Subaward from the University of Houston, College of Pharmacy	Feb 2017 – Aug 2021
Texas Health and Human Services Commission Substance Abuse and Mental Health Services funding Texas targeted opioid response – Project Directors: Jessica Cance & Lisa Ramirez Needs Assessment Development	Jun 2017 – Aug 2018
Sanofi Principal Investigators: Marc Fleming, Susan Abughosh Co-investigator: Michael Johnson Physician educational webinars to improve statin prescribing and guideline adherence among patients in a Medicare advantage plan	May 2016 – May 2018
Regeneron Pharmaceuticals Principal Investigators: Susan Abughosh, Marc Fleming Co-investigators: Michael Johnson, James Essien Improving adherence to statins with targeted motivational interviewing interventions based on group-based trajectory models among patients enrolled in a Medicare advantage plan	May 2016 – Apr 2018
American Thrombosis Investigator-Initiated Research Program (ARISTA-USA) Bristol-Myers Squibb/Pfizer Principal Investigator: Matthew Wanat Co-Principal Investigator: Susan Abughosh Co-Investigators: Marc Fleming, Hua Chen, Michael Johnson Risk of thrombosis and bleeding in patients on warfarin or apixaban (Eliquis) and concomitant anti-arrhythmic medications	Jan 2016 –2018
American Association of Colleges of Pharmacy Principal Investigator: Marc Fleming Pharmacist-patient communication about addiction and willingness to counsel and refer	Jan 2015 – Dec 2015

GlaxoSmithKline

Nov 2014 – Dec 2015

Principal Investigator: Sujit Sanggiry

Co-investigators: Marc Fleming, Susan Abughosh,

Impact of Medicare advantage prescription drug coverage gap among copd patients: analyses of risk of hospitalization

Role: Assist with proposal development, design and publications.

Mallinckrodt Pharmaceuticals

Nov 2014 – May 2016

Principal Investigator: Marc Fleming

Co-Investigators: Knox Todd, Larry Driver, Sujit Sanggiry, Susan Abughosh, Matthew Wanat, Kathleen Reeve, Todd Pickard

Texas prescribers' attitudes and predicted pain management based on rescheduling of hydrocodone

MD Anderson Cancer Center (Emergency Department)

Nov 2012 – Nov 2014

Principal Investigator: Knox Todd

Co-Investigators: Marc Fleming, Cielito Reyes-Gibby

The emergency department pain registry: Impact evaluation of the 2012 American college of emergency physicians' opioid prescribing guidelines

University of Houston, New Faculty Research Grant

Dec 2012

Principal Investigator: Marc Fleming

Examination of emergency department physician use of prescription monitoring program database

Total Award: \$6000

PUBLICATIONS

Peer-Reviewed Publications

1. White A, Srinivasan M, Wingate LM, Peasah S, **Fleming ML**. Development of A Pharmacoeconomic Registry: An Example Using Hormonal Contraceptives. *Health Economics Review*. 2021; 11(1):1-20.
2. Varisco TJ, Abughosh S, Chen H, Cho SK, **Fleming ML**, Ziedonis D, Thornton D. Switching Pharmacies Leads to Gaps in Medication Possession in Individuals Treated with Buprenorphine. *Journal of the American Pharmacists Association*. 2021.
3. Vadhariya A, Paranjpe R, Essien EJ, Johnson ML, **Fleming ML**, Esse TW, Gallardo E, Serna O, Choi J, Boklage S, Abughosh S. Patient-Reported Barriers to Statin Adherence: Excerpts from a Motivational Interviewing Intervention in Older Adults. *Journal of the American Pharmacists Association*. 2021; 61(1):60-67. e1.
4. Varisco TJ, Downs CG, Rathburn KR, **Fleming ML**, Thornton JD. Applying the Capability, Opportunity, Motivation, and Behavior Model to Identify Opportunities to Increase Pharmacist Comfort Dispensing Naloxone in Texas: A Structural Equation Modeling Approach. *International Journal of Drug Policy*. 2020; 83:102827.
5. **Fleming ML**, Rege S, Johnson ML, Serna O, Esse T, Choi J, Abughosh S. Examination of Physicians' Adherence to the 2013 ACC/AHA Statin/Cholesterol Guidelines Using a Framework of Awareness to Adherence: A Cross-Sectional Study. *JRSM Cardiovascular Disease*. 2020; 9:2048004020947298.
6. Skoglund E, Fernandez J, Sherer JT, Coyle EA, Garey KW, **Fleming ML**, Sofjan AK. Using the Theory of Planned Behavior to Evaluate Factors that Influence PharmD Students' Intention to Attend Lectures. *American Journal of Pharmaceutical Education*. 2020; 84(5).
7. Upadhyay N, Aparasu R, Rowan PJ, **Fleming ML**, Balkrishnan R, Chen H. Impact of Geographic Access to Primary Care Provider on Pediatric Behavioral Health Screening. *Europe PMC*. 2020.

8. Paranjpe R, Johnson ML, Essien EJ, Barner JC, Serna O, Gallardo E, Majd Z, **Fleming ML**, Ordonez N, Holstad MM, Abughosh S. Group-Based Trajectory Modeling to Identify Patterns of Adherence and its Predictors Among Older Adults on Angiotensin-Converting Enzyme Inhibitors (ACEIs)/Angiotensin Receptor Blockers (ARBs). *Patient Preference and Adherence*. 2020; 14:1935.
9. Thornton JD, Anyanwu P, Tata V, Al Rawwad, **Fleming ML**. Differences between pharmacists' perception of counseling and practice in the era of prescription drug misuse. *Pharmacy Practice*. 2020 in press.
10. Abughosh SM, Vadhariya A, Johnson ML, Essien EJ, Esse TW, Serna O, Gallardo E, Boklage SH, Choi J, Holstad MM, **Fleming ML**. Enhancing Statin Adherence Using A Motivational Interviewing Intervention and Past Adherence Trajectories in Patients with Suboptimal Adherence. *Journal of Managed Care & Specialty Pharmacy*. 2019; 25(10):1053-1062.
11. Wanat MA, Wang X, Paranjpe R, Chen H, Johnson ML, **Fleming ML**, Abughosh SM. Warfarin vs. Apixaban in Nonvalvular Atrial Fibrillation, and Analysis by Concomitant Antiarrhythmic Medication Use: A National Retrospective Study. *Research and Practice in Thrombosis and Haemostasis*. 2019; 3(4):674-683.
12. Upadhyay N, Aparasu R, Rowan PJ, **Fleming ML**, Balkrishnan R, Chen H. Does Geographic Access to Providers Matter for Pediatric ADHD Treatment Engagement and Medication Adherence? *Pharmacoepidemiology and Drug Safety*. 2019; 28:174-174.
13. **Fleming ML**, Driver L, Sangsiry SS, Abughosh SM, Wanat MA, Varisco TJ, Pickard T, Reeve K, Todd KH. Drug Enforcement Administration Rescheduling of Hydrocodone Combination Products is Associated with Changes in Physician Pain Management Prescribing Preferences. *Journal of Pain & Palliative Care Pharmacotherapy*. 2019; 33(1-2):22-31.
14. Almogbel Y, Xu Q, Sangsiry S, Essien EJ, **Fleming ML**, Abughosh SM, Sangsiry SS. Association Between Parental Expectation, Parenting Stress, and Parents' Adherence Intention to Medication Therapy for Children with Asthma. *Journal of The American College of Clinical Pharmacy*. 2019; 2(6):666-673.
15. Varisco TJ, **Fleming ML**, Bapat SS, Wanat MA, Thornton D. Health Care Practitioner Counseling Encourages Disposal of Unused Opioid Medications. *Journal of the American Pharmacists Association*. 2019; 59:809-15.e5.
16. Najera S, Esse T, Serna O, Vadhariya A, Rege S, **Fleming M**, Abughosh S, Choi J. Awareness of the Atherosclerotic Cardiovascular Disease Risk Estimator Among Primary Care Physicians in a Medicare Advantage Plan. *Journal of Behavioral Health*. 2019; 8(2):35-40.
17. Upadhyay N, Aparasu R, Rowan PJ, **Fleming ML**, Balkrishnan R, Chen H. The Association Between Geographic Access to Providers and the Treatment Quality of Pediatric Depression. *Journal of Affective Disorders*. 2019; 253:162-170.
18. Vadhariya A, **Fleming ML**, Johnson ML, Essien EJ, Serna O, Esse T, Choi J, Boklage SH, Abughosh SM. Group-Based Trajectory Models to Identify Sociodemographic and Clinical Predictors of Adherence Patterns to Statin Therapy Among Older Adults. *American Health & Drug Benefits*. 2019; 12(4):202-211.
19. Rickles NM, **Fleming ML**, Björnsdóttir I. Global Research Initiatives to Understand the Prescription Drug Misuse Epidemic and Ways to Monitor and Intervene. *Research in Social & Administrative Pharmacy*. 2019;15(8):907-909.
20. **Fleming ML**, Bapat SS, Varisco TJ. Using the Theory of Planned Behavior to Investigate Community Pharmacists' Beliefs Regarding Engaging Patients About Prescription Drug Misuse. *Research in Social & Administrative Pharmacy*. 2019; 15(8):992-999.

21. Sansgiry SS, Bhansali A*, Serna O, Kamdar M, **Fleming ML**, Abughosh S, Stanford RH. Effect of Coverage Gap on Healthcare Utilization Among Medicare Beneficiaries with Chronic Obstructive Pulmonary Disorder. *Current Medical Research and Opinion*. 2019; 35(2):321-328.
22. Harper RA, Upadhyay N*, Rowan PJ, **Fleming ML**, Harper A, Aparasu R, Balkrishnan R, Chen H. (2018). 2.14 Geographic Access to Primary Care Provider and Behavioral Disorder Screening: Variations Across Race/Ethnicity. *Journal of the American Academy of Child & Adolescent Psychiatry*. 2018; 57:S163.
23. Fernandez J, Thornton JD, Rege S*, Lewing B*, Bapat S*, Xu Q*, **Fleming ML**. Prescribers' Perceptions on the Impact of Hydrocodone Rescheduling on Geriatric Pain Management: A Qualitative Study. *Journal of Opioid Management*. 2018; 14(5):317-326.
24. Sansgiry SS, Bhansali A*, Serna O, Kamdar M, **Fleming M**, Abughosh S, Stanford RH. Effect of Coverage Gap on Healthcare Utilization Among Medicare Beneficiaries with Chronic Obstructive Pulmonary Disorder. *Curr Med Res Opin*. 2018; 35(2):1-20.
25. Bapat S*, Anyanwu P, Varisco T, **Fleming ML**. Mid-Level Practitioners Intention to Prescribe Acetaminophen with Codeine. Published abstract: *Research in Social and Administrative Pharmacy*. 2018; 14:e17-18.
26. Rogers JW*, **Fleming ML**, Tipton J, Ward A, Garey KW, Pitman EP. Investigating Inpatient Medication Administration Using the Theory of Planned Behavior. *Am J Health Syst Pharm*. 2017; 74(24):2065-2070.
27. Ferries EF*, Gilson AM, Aparasu RR, Chen H, Johnson ML, **Fleming ML**. The Prevalence of and Factors Associated with Receiving Concurrent Controlled Substance Prescriptions. *Substance Use & Misuse*. 2017; 52(12):1639-1645.
28. Ferries EF*, Gilson AM, Aparasu RR, Chen H, Johnson ML, **Fleming ML**. Prevalence and Factors Associated with Multiple Provider Episodes in Texas: An Epidemiological Analysis of Prescription Drug Monitoring Program Data. *Pain Medicine*. 2017 Oct 1; 18(10):1941-1951.
29. Abughosh S, Wang X*, Serna O, Esse T, Mann A, Masilamani S, Holstad MM, Essien EJ, **Fleming ML**. A Motivational Interviewing Intervention by Pharmacy Students to Improve Medication Adherence. *Journal of Managed Care & Specialty Pharmacy*. May 2017; 23(5):549-560.
30. Varisco TJ, Ogunsanya ME, Barner JC, **Fleming ML**. Pharmacists' Perceptions Regarding the Impact of Hydrocodone Rescheduling on Prescription Volume, Workflow Management, and Patient Outcomes. *Journal of the American Pharmacists Association*. 2017; 57(2s):S51-s62.
31. **Fleming ML**, Driver L, Sansgiry SS, Abughosh S, Wanat M, Sawant RV*, Ferries EF*, Reeve K, Todd KH. Physicians' Intention to Prescribe Hydrocodone Combination Products after Rescheduling: A Theory of Reasoned Action Approach. *Research in Social & Administrative Pharmacy*. 2017 (3):503-512.
32. Hickerson SC*, **Fleming ML**, Sawant RV, Ordonez ND, Sansgiry SS. Predicting Pharmacy Students' Intention to Apply for a Residency: A Systematic Theory of Planned Behavior Approach. *Currents in Pharmacy Teaching & Learning*. 2017; 9(1):12-19.
33. **Fleming ML**, Phan Y*, Ferries EA*, Hatfield MD*. Educating Pharmacists on a Prescription Drug Monitoring Program. *Journal of Pharmacy Practice*. 2016; 29(6):543-548.
34. Mhatre SK*, Serna O, Sansgiry S, **Fleming ML**, Essien EJ, Sansgiry SS. Risk of Non-Adherence to Diabetes Medications Among Medicare Advantage Enrollees: Development of a Validated Risk Prediction Tool. *Journal of Managed Care & Specialty Pharmacy*. 2016; 22(11):1293-1301.

35. Bhansali AH*, **Fleming ML**, Sherer JT, Sansgiry S. Improving Information Processing: The Effect of Label Format Among Current and Potential Over-The-Counter Medication Users. *Therapeutic Innovation and Regulatory Science*. 2016; 50(5):560-568.
36. Bali V*, Johnson ML, Chen H, **Fleming ML**, Holmes HM, Aparasu RR. Comparative Cognitive Profile of Second-Generation Antidepressants in Elderly Nursing Home Residents with Depression. *Annals of Pharmacotherapy*. 2016; 50(2):96-105.
37. Bali V*, Holmes HM, Johnson ML, Chen H, **Fleming ML**, Aparasu RR. Comparative Effectiveness of Second-Generation Antidepressants in Reducing the Risk of Dementia in Elderly Nursing Home Residents with Depression. *Pharmacotherapy*. 2016; 36(1):38-48.
38. Abughosh SM, Wang X*, Serna O, Henges C*, Masilamani S, Essien EJ, Chung N, **Fleming ML**. A Pharmacist Telephone Intervention to Identify Adherence Barriers and Improve Adherence Among Nonadherent Patients with Comorbid Hypertension and Diabetes in a Medicare Advantage Plan. *Journal of Managed Care & Specialty Pharmacy*. 2016; 22(1):63-73.
39. **Fleming ML**, Ferries EA*, Hatfield MD*, Atreja N*, Yucel A*, Rane P*, Sharma M*, Wang X*. Patients' Beliefs Regarding Counseling Provided by Community Pharmacists: An Application of the Theory of Planned Behavior. *Journal of Pharmaceutical Health Services Research*. 2015; 6(1):77-79.
40. **Fleming ML**, Wanat, MA. To Prescribe Codeine or Not to Prescribe Codeine? *Journal of Pain & Palliative Care Pharmacotherapy*. 2014; 28(3):251-4.
41. Wanat MA, **Fleming ML**, Fernandez JM, Garey KW. Education, Training, and Academic Experience of Newly Hired, First-Time Pharmacy Faculty Members. *American Journal of Pharmaceutical Education*. 2014; 78 (5).
42. **Fleming ML**, Barner JC, Brown CM, Shepherd MD, Strassels SA, Novak S. Pharmacists' Training, Perceived Roles and Actions Associated with Controlled Substance Prescriptions. *Journal of the American Pharmacists Association*. 2014; 54(3):241-250.
43. Gavaza P, **Fleming ML**, Barner JC. Examination of Psychosocial Predictors of Virginia Pharmacists' Intention to Utilize a Prescription Drug Monitoring Program Using the Theory of Planned Behavior. *Research in Social & Administrative Pharmacy*. 2014; 10(2):448-58.
44. **Fleming ML**, Barner JC, Brown CM, Shepherd MD, Strassels SA, Novak S. Using the Theory of Planned Behavior to Predict Pharmacists' Intention to Utilize a Prescription Drug Monitoring Program Database. *Research in Social and Administrative Pharmacy*. 2014; 10(2):285-96.
45. **Fleming ML**, Wattana MK, Hatfield MD*, Todd KH. Exploratory Study of Emergency Physicians' Use of a Prescription Monitoring Program Using a Framework of Technology Acceptance. *Journal of Pain and Palliative Care Pharmacotherapy*. 2014; 28(1):19-27.
46. **Fleming ML**, Chandwani H, Barner JC, Weber SN, Okoro TT. Prescribers and Pharmacists Requests for Prescription Monitoring Program (PMP) Data: Does PMP Structure Matter? *Journal of Pain & Palliative Care Pharmacotherapy*. 2013; 27(2):136-42.
47. **Fleming ML**, Nemlekar PM, Brown CM, Cantu RE. Exploratory Study of Community Pharmacists' Perceptions About New or Transferred Prescription Incentives. *Journal of the American Pharmacists Association*. 2012; 52(5):e53-e58.

48. **Fleming ML**, Barner JC, Brown CM, Smith, TB. Treatment Disparities for Major Depressive Disorder: Implications for Pharmacists. *Journal of the American Pharmacists Association*. 2011; 51(5):605-12.

Non-Peer-Reviewed Publications

1. **Fleming ML**. PDMPs: An Inside Look at Research in Progress. *Student Pharmacist*. 2010;7(2):12.

ACADEMIC PRESENTATIONS

Poster Presentations

1. Bapat S*, **Fleming M**, Abughosh S, Essien EJ, Washburn M, Thornton JD. PMU42 "Inclusion of Background Variables of the Theory of Planned Behavior to Predict Provider Intention to Prescribe Buprenorphine" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting (virtual June 1, 2021).
2. Roberts-LaGrone T*, Njoku C*, Nzia J*, Tran N*, **Fleming M**. PMH44 "Investigation of buprenorphine treatment access provided by waived clinicians" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting (virtual May 1, 2020).
3. Al Rawwad T, Ananwu P*, Tata V*, **Fleming M**, Thornton D. "Pharmacists' attitudes towards counseling when suspecting opioid misuse" **presented at** the American Public Health Annual Meeting and Expo 2019 (virtual Nov. 2 – Nov. 6).
4. **Fleming ML**, Thornton JD, Ferries EA. "Trends in Prescription Monitoring Program Patient Queries and Delegate Access" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual European Meeting, Copenhagen, Denmark, November 2 to 6, 2019.
5. Upadhyay N*, Aparasu RR, Rowan PJ, **Fleming ML**, Balkrishnan R, Chen H. "Impact of Geographic Access to Providers on Treatment Engagement and Completion in Pediatric Depression Population in Southeast Texas" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, New Orleans, LA, May 18 to May 22, 2019.
6. Bapat S*, Thornton JD, **Fleming ML**. "Changes in Analgesic Prescribing Among Texas Advanced Practiced Providers After Rescheduling of Hydrocodone Combination Products" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, New Orleans, LA, May 18 to May 22, 2019.
7. Iloanusi S, **Fleming ML**, Varisco TJ, Mohan A, Yande S, Sanyal S, Masurkar P, Low EV, Essien EJ. "Understanding Texas Community Pharmacists' Attitudes Toward Mandated PDMP Use and Seven Day Prescribing Limits on Opioid Prescriptions for Acute Non-cancer Pain" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, New Orleans, LA, May 18 to May 22, 2019.
8. Zolekar A, White A, **Fleming ML**, Thornton JD, Wang Y. "Outcomes Related to Opioid Prescribing after Academic Detailing: A Review of Literature" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Baltimore, MD, May 19 to 23, 2018.
9. Bapat S*, **Fleming ML**, Thornton JD. "Trends in the Texas Prescription Drug Monitoring Program: Registration and Utilization among Physicians and Pharmacists" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Baltimore, MD, May 19 to 23, 2018.
10. Bhansali AH, Sangsiri SS, Essien EJ, **Fleming ML**, Rajan S, Mehta P. "Effect of Patient Involvement and Message Format on Perceived Susceptibility and Severity to Breast Cancer" **presented at** the International Society for

Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Baltimore, MD, May 19 to 23, 2018.

11. Atreja N*, **Fleming ML**, Johnson ML, Chen H, Zhivan N, Todd KH. "Impact of Long-Term Opioid Medication Use on Subsequent Type 2 Diabetes Mellitus Related Hospitalizations" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
12. Abughosh SM, Wang X*, Serna O, Esse T, Mann A, Essien EJ, **Fleming ML**. "A Motivational Interviewing (MI) Intervention by Pharmacy Students to Prevent Medication Discontinuation" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
13. **Fleming ML**, Lewing B*, Bapat SS*, Rege SA*, Xu Q*, Fernandez J. "Qualitative Study Regarding the Impact of Hydrocodone Rescheduling on Geriatric Pain Management: Prescribers' Perspective" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
14. Hatfield MD*, Sansgiry SS, Johnson ML, Essien EJ, Todd KH, **Fleming ML**, Amgen. "Assessing the Impact of Hydrocodone Rescheduling on Opioid Prescribing Using Prescription Monitoring Program Data" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
15. Abughosh SM, **Fleming ML**, Johnson ML, Essien EJ, Esse TW, Serna O, Vadhariya A*, Boklage S, Choi J. "Using Group Based Trajectory Models to Characterize Statin Medication Adherence Patterns among Patients Enrolled in a Medicare Advantage Plan (MAP)" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
16. Bhansali A*, **Fleming ML**, Essien EJ, Mehta P, Rajan S, Sansgiry SS. "Effect of Patient Involvement on Intention to Initiate Breast Cancer Chemoprevention" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Boston, MA, May 20 to 24, 2017.
17. **Fleming ML**, Abughosh S, Rege S*, Choi J, Sanofi, Serna O, Esse T, Gallardo E. "Qualitative Analysis of Barriers to Statin Medication Adherence" presented at the American Pharmacists Association (APhA) Annual Meeting and Exposition, San Francisco, CA, Mar 24 to 27, 2017.
18. **Fleming ML**, Driver L, Sansgiry SS, Sawant RV*, Abughosh S, Wanat M, Pickard T, Reeve K, Todd KH. "Impact of Hydrocodone Rescheduling on Texas Physicians' Future Pain Management" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 21 to 25, 2016.
19. **Fleming ML**, Driver L, Sansgiry SS, Sawant RV*, Abughosh S, Wanat M, Pickard T, Reeve K, Todd KH. "Predicting Texas Physicians' Intention to Prescribe Hydrocodone Combination Products after Rescheduling" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 21 to 25, 2016.
20. Atreja N*, **Fleming ML**, Chen H, Johnson ML, Zhivan N, Todd KH. "Impact of Long-Term Opioid Use on Oral Antihyperglycemic Medication Adherence Among Individuals with Type 2 Diabetes Mellitus: A Retrospective Database Analysis" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 21 to 25, 2016.

21. Hatfield MD*, Sansgiry SS, Johnson ML, Essien EJ, **Fleming ML**. “Rescheduling Hydrocodone Combination Products: Assessing the Impact on Opioid Utilization” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 21 to 25, 2016.
22. Bhansali A*, Sansgiry SS, Serna O, **Fleming ML**, Abughosh S, Kamdar M, Stanford R. “Assessment of Medicare Advantage Prescription Drug Coverage Gap among COPD Patients: Analysis of Hospitalization Use” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 21 to 25, 2016.
23. **Fleming ML**, Hatfield MD*, Sawant RV*. “Qualitative Assessment of Pharmacists’ Use of Prescription Drug Monitoring Program Data and Attitudes towards Patient Engagement” **presented as an oral poster session of** the ESAS Research Day, Baltimore, MD, March 4, 2016.
24. Wang X*, Serna O, Henges C, Essien EJ, Chung N, **Fleming ML**, Abughosh S. “Impact of a Pharmacist Telephone Intervention on Preventing Medication Discontinuation among Hypertensive Patients with Diabetes in a Medicare Advantage Plan” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Philadelphia, PA, May 16 to 20, 2015.
25. Abughosh SM, Wang X*, Serna O, Henges C, Essien EJ, Masilamani S, **Fleming ML**. “Impact of a Pharmacist Telephone Intervention on Medication Adherence Among Hypertensive Patients with Diabetes in a Medicare Advantage Plan” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Philadelphia, PA, May 16 to 20, 2015.
26. Atreja N*, **Fleming ML**. “Medication Utilization Pattern for Pain Management among Individuals with Type 2 Diabetes” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Philadelphia, PA, May 16 to 20, 2015.
27. Hatfield MD*, **Fleming ML**. “Use of Hydrocodone/Acetaminophen: Prevalence and Estimating Emergency Department Visits” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Philadelphia, PA, May 16 to 20, 2015.
28. Hatfield MD*, **Fleming ML**. “Hydrocodone: A Review of the Literature” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Philadelphia, PA, May 16 to 20, 2015.
29. Hatfield MD*, Wattana MK, Todd KH, **Fleming ML**. “**Emergency Physicians’ Intention to Use the Texas Prescription Monitoring Program**” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Montreal, QC, Canada, May 31 to June 4, 2014.
30. Patel H*, Essien EJ, **Fleming ML**, Mehta P, Sherer JT, Sansgiry SS. “Development and Testing of Patient Drug Information Leaflets to Improve Comprehension” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Montreal, QC, Canada, May 31 to June 4, 2014.
31. Ferries EA*, **Fleming ML**, Hatfield MD*, Atreja N*, Yucel A*, Rane PP*, Sharma M*, Wang X*. “Patients’ expectations and intentions to receive medication counseling from community pharmacists” **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Montreal, QC, Canada, May 31 to June 4, 2014.
32. Haynes LN*, Patel AV*, Aparasu RR, **Fleming ML**, Fernandez NA, Newcomer KF, Serna O. “Examining Medications with High Monitoring Program: A Pilot Study” **presented at** the International Society for

Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Montreal, QC, Canada, May 31 to June 4, 2014.

33. Chao J*, Eppinette R*, Pourarsalan H*, **Fleming ML**. "Community Chain Pharmacists' Perceptions of Medication Therapy Management and Awareness of Pharmacy Quality Alliance Measures" **presented at** the Academy of Managed Care Pharmacy Annual Meeting, Tampa, FL, April 1 to April 4, 2014.
34. Garcia L*, Mhatre S*, Serna O, Sansgiry SS, Esse T, **Fleming ML**. "Examining Pharmacist Led Recommendations to Physicians within a Medicare Advantage Plan (MAP)" **presented at** the Academy of Managed Care Pharmacy Annual Meeting, Tampa, FL, April 1 to 4, 2014.
35. Henges C*, **Fleming ML**, Serna O, Mhatre S*, Sansgiry SS. "Effect of a Pharmacist-Led Telephone Call to Identify Barriers and Improve Medication Adherence in Patients Enrolled in a Medicare Advantage Plan" **presented at** the Academy of Managed Care Pharmacy Annual Meeting, Tampa, FL, April 1 – 4, 2014.
36. **Fleming ML**, Upadhyay N*. "Chronic Medication Adherence among Opioid Users in a Medicare Advantage Plan" **presented at** the American Pharmacists Association Annual Meeting, Orlando, FL, March 27-31, 2014.
37. **Fleming ML**, Wattana MK, Hatfield MD*, Todd KH. "Exploratory Study of Emergency Physicians' Use of a Prescription Drug Monitoring Program Using a Framework of Technology Acceptance" **presented at** the American College of Emergency Physicians (ACEP) Annual Meeting, Seattle, WA, October 14-15, 2013.
38. **Fleming ML**, Wattana MK, Hatfield MD*, Todd KH. "Understanding Emergency Physicians' Intention and Use of a Prescription Drug Monitoring Program" **presented at** the Mediterranean Emergency Medicine Conference, Marseille, France, September 8-11, 2013.
39. **Fleming ML**, Barner JC, Brown CM, Shepherd MD, Strassels SA, Novak S. "Texas Community Pharmacists' Views and Actions Regarding Dispensing Controlled Prescription Drugs" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, New Orleans, LA, May 20, 2013.
40. Abughosh S, Wang X*, Henges C, **Fleming ML**, Serna O. "Adherence barriers to ace-is and arbs among non-adherent hypertensive patients with diabetes enrolled in a Medicare advantage plan" **presented at** the Academy of managed Care Pharmacy Annual Meeting, San Diego, CA, April 3-5, 2013.
41. Jaffar AF,* Aparasu R, **Fleming ML**, Patel AV,* Fernandez NA, Newcomer KF, Serna O. "Evaluating Anticholinergic Agents and Adverse Events in Patients Diagnosed with Dementia: A Retrospective Analysis" Poster at the **presented at** the Academy of Managed Care Pharmacy Annual Meeting, San Diego, CA, April 3-5, 2013.
42. **Fleming ML**, Barner JC, Lajide CL. "Pharmacists' Beliefs Regarding Intention to Utilize Prescription Drug Monitoring Program (PDMP) Data" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, June 4, 2012.
43. **Fleming ML**, Chandwani HS, Barner JC, Weber SN, Okoro TT. "Prescription Monitoring Program (PMP) Utilization" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Baltimore, MD, May 23, 2011.
44. **Fleming ML**, Nemlekar PM, Brown CM, Cantu RE. "Survey of Texas Community Pharmacists' Perceptions about New or Transferred Prescription Incentives" **presented at** the American Pharmacists Association Annual Meeting, Seattle, WA, March 25-28, 2011.

45. **Fleming ML**, Barner JC, Brown CM, Shepherd MD, Strassels SA, Novak S. "Using the Theory of Planned Behavior to Predict Texas Community Pharmacists' Intention to Utilize an On-Line Prescription Monitoring Database as an Aid in Determining Whether or Not to Dispense a Controlled Substance Medication" **presented at** the Southern Pharmacy Administration Conference, Memphis, TN, June 18-20, 2010.
46. **Fleming ML**, Barner JC, Bamgbade BA. "Mortality Rate Comparison between States with and Without Prescription Drug Monitoring Programs and Associated Federal Costs" **presented at** the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting, Atlanta, GA, May 18, 2010.
47. **Fleming ML**, Barner JC, Brown CM, Bettinger T. "Depression Treatment by Race: An Examination of Pharmacotherapy, Provider, and Complementary and Alternative Medicine (CAM)" **presented at** the American Pharmacists Association Annual Meeting, San Antonio, TX, April 3-6, 2009.

**-Denotes student or post-doc*

Peer-Reviewed Presentations

1. **Fleming ML**, Thornton D, White A. "Establishing the Community Pharmacist's Role in Prescription Opioid Misuse Prevention" Prevention Strategies Track: **presented at** the National Rx Drug Abuse & Heroin Summit, Atlanta, GA, April 23, 2019.
2. **Fleming ML**, White A. "Advocacy Track: Combating Opioid Abuse through U.S. Medical, Pharmacy and Nursing Schools: What Are We Teaching Our Students?" **presented at** the National Rx Drug Abuse & Heroin Summit, Atlanta, GA, April 19, 2017.
3. Dowling K, **Fleming ML**, Hagemeyer N, Melton S. "Prevention Track – Quaternary Prevention: Four States' Approaches to Naloxone Dissemination" **presented at** the National Rx Drug Abuse & Heroin Summit, Atlanta, GA, April 19, 2017.
4. **Fleming ML**, Vernachio K, Hagemeyer N. "Pharmacy Track: Looking Beyond Red Flags" **presented at** the National Rx Drug Abuse & Heroin Summit, Atlanta, GA, March 30, 2016.
5. **Fleming ML**. "Practical strategies to identify and address controlled substance abuse: PBM provided incentives for pharmacists' interventions in patients with aberrant prescription opioid use," **presented at** the Pharmacy Benefit Management Institute Annual Conference, Las Vegas, NV, February 4, 2014.
6. **Fleming ML**, Barner JC, Brown CM, Shepherd MD, Strassels SA, Novak S. "Using the theory of planned behavior to predict pharmacists' intention to utilize a prescription drug monitoring program database," **Podium Presentation** to the American Pharmacists Association Annual Meeting, Los Angeles, CA, March 4, 2013.
7. Phan Y*, **Fleming ML**. "Impact of pharmacist education session on use of the prescription drug monitoring program in Texas" **Podium presentation at** the Texas Society of Health-System Pharmacists Alcaldé XXVII Southwest Leadership Conference, Austin, TX, April 25, 2013.

Invited Presentations

1. Palasik B, **Fleming ML**. "Navigating PMP Aware and Implementation Into Current Practices for Opioid Stewardship," **presented at** the Metroplex Society of Health-System Pharmacists 52 Annual Seminar, Dallas, Texas, February 1, 2020.
2. **Fleming ML**. "Using Prescription Monitoring Programs to Enhance Patient Safety" **presented at** the Southern Pharmacy Administration Conference, hosted at Auburn University, Harrison School of Pharmacy, June 9, 2018.

3. **Fleming ML.** "Prescription Drug Monitoring Programs: Are They Effective?" **Continuing Education Presentation** at the NABP/AACP Districts VI, VII, & VIII Annual Meeting, San Antonio, TX, October 10, 2017.
4. **Fleming ML.** "Texas Law Update: Prescription Drug Monitoring Programs" **Presented Continuing Education** at the University of Houston College of Pharmacy Preceptor Conference. Houston, TX, May 6, 2017.
5. **Fleming ML.** "Hydrocodone Prescribing and the New Texas PMP" **presented at** the Texas Health-System Pharmacists Annual Seminar, Galveston, TX, April 28, 2017.
6. **Fleming ML.** "The Texas Prescription Monitoring Program" **presented at** the monthly meeting of the North Harris County Substance Abuse Coalition (Harris County Public Health), February 16, 2017.
7. **Fleming ML** (Panel Moderator): "The Future of Prescription Drug Monitoring Programs" **presented at** the Texas Prescription Drug Misuse Prevention Summit. Austin, TX, February 3, 2017.
8. **Fleming ML.** "Prescriptions Drugs of abuse and the impact of hydrocodone rescheduling" **presented at** the Drug Enforcement Administration (DEA) Conference "A Bitter Pill to Swallow: A Conference on the Local Drug Landscape," in League City, TX, November 17, 2016.
9. **Fleming ML.** "Texas Law Update: Prescription Drug Monitoring Programs" **Presented Continuing Education** at the University of Houston College of Pharmacy Preceptor Conference. Houston, TX, October 22, 2016.
10. **Fleming ML.** "Drugs of Abuse from the Pharmacy," **presented at** the 14th Annual Fall Prevention Provider Meeting Prevention Day in Texas: Prevention Matters. Austin, TX, September 27, 2016.
11. **Fleming ML.** Presentation to Mercer College of Pharmacy students regarding the opportunities for PharmD/PhD in Pharmacy Health Outcomes Research. March 30, 2016.
12. **Fleming ML.** "Prescription Drug Abuse and the Prescription Drug Monitoring Program" **presented at** the Texas Pharmacy Congress Houston Meeting, February 10, 2016.
13. **Fleming ML.** "The Changing Landscape in Pain Management," **presented at** the Texas Health-System Pharmacists Annual Seminar, San Antonio, TX, April 24, 2015.
14. **Fleming ML.** Presentation to the UH Student National Pharmaceutical Association entitled "Legislation of Controlled Substances in Pharmacy" November 20, 2014.

ACADEMIC EXPERIENCE

Graduate Student Advisor (PhD Dissertation)

Atreja, Nipun (December 2016). The impact of long-term opioid medication on oral antihyperglycemic medication adherence and subsequent type 2 diabetes mellitus related hospitalization risk among individuals with type 2 diabetes mellitus: a retrospective database analysis.

Hatfield, Mark (August 2016). Assessing the impact of multiple levels of influence on the use of hydrocodone combination products and buprenorphine as opioid addiction/dependence treatment.
PHOP Graduate Student Excellence Award (Doctoral Program) (2016)

Ferries, Erin (August 2015). Epidemiology of controlled substance prescription drug utilization in Texas: an analysis of prescription drug monitoring program data.

Graduate Student PhD Committee Member (All students at University of Houston)

1. Varisco, Tyler (completed April 2021). Disruptions in pharmacotherapy for opioid use disorder associated with changes in pharmacy (external member).
2. Bapat, Shweta (completed December 2020). Predicting provider intention to prescribe buprenorphine using the theory of planned behavior: a mixed methods design (external member).
3. Upadhyay, Navneet (December 2018). Geographic access to providers and pediatric mental health care.
4. Sawant, Ruta (May 2018). Preventive behaviors for cognitive health maintenance: understanding the role of message framing and involvement.
5. Bhansali, Archita (May 2017). Breast cancer chemoprevention among women: effect of involvement and risk communication.
6. Almogbel, Yasser (August 2016). Parenting stress and child's quality of life on parents' expectation/satisfaction and medication adherence with asthmatic child's therapy.
7. Mhatre, Shivani (August 2015). Prediction and evaluation of medication non-adherence among Medicare advantage beneficiaries with diabetes.
8. Bali, Vishal (December 2014). Comparative effectiveness of second-generation antidepressants on cognition and dementia in the elderly.
9. Patel, Harshali (completed May 2014). Development and testing of prescription information leaflets to improve comprehension: An information processing approach.

Graduate Student Advisor (Thesis)

Burgess, Gwendolyn (May 2015). Impact of implementing a workflow management system to improve safety and reduce medication errors in a pediatric hospital.

Graduate Student Thesis Committee Member

Le, An (May 2017). Association between performance of patient-centered clinical activities and employee engagement.

Rogers, Joseph (May 2016). Using the theory of planned behavior to investigate influences affecting methods of medication administration.

Hickerson, Stephen (May 2015). The pursuit of pharmacy residency training and the theory of planned behavior.

Bhansali, Archita (December 2013). Improving information processing: effect of label format among current over-the-counter medication users.

Special Projects Supervision (Graduate Program)

Nipun Atreja-summer 2014

Erin Ferries-summer 2013

Navneet Upadhyay-summer 2013

Special Projects/Mentoring (Professional Program)

Jill Chen-P1

Jasmeet Kaur-P1

Faizan Sattar-P1

Course Development and Course Revisions

Graduate Program

PHARMACY ADMINISTRATION AND MANAGEMENT III (PHCA 8301)

Fall (3 credit hours) – Course Coordinator 2013

This course exposes the student to key concepts in behavioral science theories needed to develop interventions to change health behavior. Students will become familiar with how behavioral science theories are used in health education and health promotion, identify theoretical constructs that they can use in planning health education and promotion interventions, and recognize the appropriate use of constructs in measurement and intervention.

- Introduced new theoretical models (e.g., technology acceptance model)
- Introduced qualitative aspects of social behavioral models (e.g., focus group studies)
- Involved with course name change to Sociobehavioral Models in Pharmacy and Health (in progress)

SEMINAR IN PHARMACY ADMINISTRATION – (PHCA 6180 – PHCA 7180 – PHCA 8180)

Fall and spring (1 credit hour) – Co-coordinator: Fall 2014, Fall 2015, Spring 2016

The graduate seminar course is designed to provide opportunities for graduate students to discuss current issues and critically evaluate research in pharmaceutical health outcomes and policy. This requires students to apply their scientific knowledge and effectively communicate scientific information to diverse audiences. As part of this course, students will play an active role in learning and implementing critical thinking and sound organizational skills to communicate scientific research. The methods of public speaking and learning to give scientific presentations are also vital.

- Seminar addresses different topics each semester. Topics focus on research methodologies, statistical analyses or other aspects related to oral presentations and scientific publishing
- Syllabus and topic development
- Outlined topics and provided examples and exercises for students

Professional Pharmacy Program

PHARMACY MANAGEMENT I – (PHAR 4260) (Professional Year 1)

Spring (2 credit hours) – Course Coordinator 2014 - Present

This course examines the contemporary healthcare delivery system in the US and the pharmacist role within that system. Major legislation that has shaped the structure and financing of healthcare and opportunities for pharmacist will be reviewed. Students become familiar with various concepts, systems, and processes that are continually evolving as we move closer toward clinically integrated health care. Opportunities for pharmacist in the diverse field of pharmacy such as retail chain/independent pharmacy, institutional hospital/long-term care/ambulatory pharmacy, and manage care/pharmaceutical industry. The course also exposes students to public health concepts.

- Revised the course in 2015 and selected a new textbook (McCarthy, Introduction to Health Care Delivery)
- Worked extensively with the Associate Dean of Academic Affairs to ensure that topics most germane to pharmacy were represented in course topics
- Served as chair of an Ad Hoc committee which included clinical faculty, Alumni, and practicing pharmacists to ensure that course topics provided focused on the education and skills to prepare students for success in practice

TEACHING EXPERIENCE

	University of North Texas System College of Pharmacy, Fort Worth, Texas
Spring 2021	Pharm Practice Skills Lab 4 (PHAR 7147)
Spring 2021	Pharm Practice Skills Lab 2 (PHAR 7227)
Spring 2021	Integrated Pharmacotherapy (IPT): Musculoskeletal and Connective Tissue (PHAR 7262)
Spring 2021	Pharmacy Practice 2 (PHAR 7325)

- Spring 2021 IPT: Special Populations (PHAR 7263)
- Spring 2021 OTC Therapies 2 (PHAR 7326)
- Spring 2021 Evidence-Based Healthcare (PHAR 7345)
- Fall 2020 OTC Therapies 1 (PHAR 7316)
- Spring 2020 Course Director, Clinical Case Discussions 2 (PHAR 7126 – 1 credit hour)
- Spring 2020 Teaching in Integrated Pharmacotherapy (PHAR 7262 – 2 credit hours)
- Lectures in pain management (3) and fibromyalgia
- University of Houston College of Pharmacy, Houston, Texas**
- Spr 14 - Date **Lecturer for Pharmacy Management II** (PHAR 5261 – 2 credit hours) (7-10%)
- Pharm.D. P2 120 – 125 students
- Spr 14 - Date **Course coordinator for Pharmacy Management I** (PHAR 4260 – 2 credit hours) (40-45%)
- Pharm.D. P1 120 - 125 students
- Fall 14 - Date **Course coordinator for Pharmacy Administration III** (PHCA 8301 – 3 credit hours) (35-40%)
- PhD graduate program 5 - 10 students
- Spr 13 - Date **Lecturer in Pharmacy Research Methods** (PHCA – 6307 – 3 credit hours (2 lectures)
- PhD graduate students and MS resident students
 - 8 – 12 students
- Spr 15 - Spr 18 **Lecturer in Pharmacy Practice IV** (PHAR 5373 – 3 credit hours) (7%)
- Pharm.D. P2 120 – 125 students
 - Provided special lecture on Red Flags in community pharmacy and the Texas prescription drug monitoring program
- Spr 14 - Spr 18 **Lecturer in Pharmacy Practice II** (PHAR 4271 – 2 credit hours) (7%)
- Pharm.D. P2 120 – 125 students
- Spr 13 **Lecturer in Pharmacy Management I** (PHAR 4260 – 2 credit hours) (2 lectures)
- Pharm.D. P1 120 - 125 students

Invited Guest Lectures

- Apr 12 **The University of Texas at Austin, Austin, Texas - Pharmacy Administration I**
Two pharmaceutical care lectures to P1 students

Teaching Assistantship

- The University of Texas at Austin, Austin, Texas**
- Sum 08 – Sum 12 **Preceptor- Experiential Pharmacy Practice and Patient Counseling**
- Responsible for overseeing ending P2 and beginning P3 Pharm.D. students' patient counseling at the University Health Services Pharmacy
- Spr 06 – Spr 08 **Ethics and Pharmacy Communications**
- Supervise P2 Pharm.D. students in communication skills and ethics in pharmacy practice

Sum 06 – Sum 07 **Intravenous Products and Admixture**

- Supervise P3 Pharm.D. students in calculations and preparations of intravenous products

Fall 07

Pharmacy Administration I

- Facilitate discussion with P1 Pharm.D. students regarding issues of ethics, communication and cultural issues in pharmacy

PRACTICAL EXPERIENCE

Mar 2008 - Oct 2012 **Consultant**
Austin Outcomes Research, Inc., Austin, Texas

Aug 2011 - Sep 2012 **Relief Pharmacist**
Northwest Hills Pharmacy, Austin, Texas

Jun 2005 - Apr 2011 **Staff Pharmacist**
Target Corporation, Austin, Texas

Nov 2001 - Jun 2005 **Staff Pharmacist**
Texas Children’s Hospital, Houston, Texas

May 2000 - Nov 2001 **Staff Pharmacist**
Walgreens Corporation, Houston, Texas

Aug 1997 - May 2000 **Pharmacy Manager/Staff Pharmacist**
Walgreens Corporation, Richmond, Virginia

Aug 1996 - Aug 1997 **Floater Pharmacist**
Walgreens Corporation, Houston, Texas

FACULTY TRAINING AND WORKSHOPS

Aug 2016 Motivational Interviewing Training “Overview and Applications”
Presented by noted expert Jan Kavookjian, MBA, PhD
Houston, Texas

May 2015 Structural Equation Modeling Seminar
Statistical Horizons
Atlanta, Georgia

Mar 2015 NIH Grant Writing Seminar
Grant Writers’ Seminars and Workshops, LLC.
MD Anderson – Houston, Texas

Feb 2015 PCORI Grant Training
“Getting to Know PCORI: From Application to Closeout”
Houston, Texas

Oct 2014 Motivational Interviewing Training
“Exploring and Resolving Ambivalence to Promote Behavioral Change” UHCOP
Houston, Texas

Jun 2014 ISPOR Short Course
“Patient Reported Outcomes – Item Response Theory”
Montreal, QC, Canada

Dec 2012 Atlas.ti Qualitative Software
Live training event
Houston, Texas

ACADEMIC SERVICE & ENGAGEMENT

University of North Texas Health Science Center, College of Pharmacy

2021 Research Appreciation Day Judge Coordinator

2021 By Laws Task Force member

2020 – present Applied Health Outcomes Research Development Task Force member

2020 – present Research Task Force member

2020 – present Student Scholarships Committee member

2020 – present Student Performance Committee member

2020 Education Committee (Chair)

2019 – present Executive Council member

University of Houston College of Pharmacy

Pharmaceutical Health Outcomes and Policy (PHOP) Department Service

2017 - 2018 Planning committee for the Houston Medication Safety Symposium
Identified and coordinated speakers to address the national opioid epidemic

2017 New faculty search committee member

2016 Recruited for PhD program at STEM fair held at University of Houston, Downtown Campus

2014 - 2015 Chair, committee to address classes taught by PHOP department in professional program

2014 - 2015 Assisted with development of PHOP program brochure

2014 Ad hoc committee member to address teaching assistants in program

2014 Involved with interviews for PHOP program coordinator position

2013 - 2016 Actively involved with recruiting of PharmD students to the PHOP PhD program
APhA Graduate/Resident Showcase
SNPhA Graduate/Resident Showcase

2013 - 2014 Presented PHOP PhD program to PharmD students at Texas Southern University

2013 - 2018 Graduate Education Committee

2013 - 2018 PhD Admissions Committee Member

2013 - 2018 Mentor/Coach for UH-ISPOR Research Quiz Competition Team (2-time Champs)

Pharmacy Practice and Translational Research (PPTR) Department Service

- Feb 2017 Search committee member involved with 3 new faculty positions for the pharmacy care lab
- Feb 2017 Performed in-service for new PPTR new faculty regarding literature search and Endnote software
- 2016 Search committee member for Director of the UHCOP MS/Residency Program in Pharmacy Leadership and Administration
- Apr 2015 Conducted resident interviews for UHCOP MS/Residency Program in Pharmacy Leadership and Administration
- Apr 2014 Conducted resident interviews for UHCOP MS/Residency Program in Pharmacy Leadership and Administration
- Oct 2014 American Society of Health-System Pharmacists Annual Leadership Conference
Represented the UHCOP MS/Residency Program in Pharmacy Administration Leadership (Hosted a reception for 95 resident attendees).
Chicago, IL

University of Houston

- 2017 Faculty representative to meet with ACPE on site reviewers during accreditation visit
- 2015 - 2017 Chair, ACPE Standards 1-4 for UHCOP Self Study for Pharmacy Accreditation
- 2016 - 2017 Ad hoc judge for Faculty Excellence Awards
- 2015 - 2017 PharmD Experiential Advisory Committee
- 2014 - 2018 Co-Coordinator of UHCOP Drug Information Center
- 2014 Participant in Curriculum Committee Self Study Assessment Retreat (2 days)
- 2012 - 2014 Assessment Committee
- 2013 - 2017 Participant in PharmD interviews
- 2014 - 2016 Faculty Senate Member (Meetings held on UH Main Campus)
Substance Abuse Subcommittee
- 2014 - 2017 Faculty expert representative serving as a contact regarding information related to obtaining prescriptions during a hurricane or other natural disasters
- 2013 - 2016 Graduate and Professional Studies Council Member (Meetings held on UH Main Campus)
Graduate Affairs Subcommittee (2016)
- 2014 - 2016 Policy Subcommittee

COMMUNITY SERVICE

- 2017 - 2018 Member, Harris County Public Health Substance Abuse Prevention Coalition
- 2016 Presented to students at Communication Career Day at San Jacinto College

SERVICE TO THE PROFESSION

Journal Peer Reviewer - Manuscripts

BMC Geriatrics
Cochrane
Community Mental Health Journal
Journal of Child and Adolescent Psychopharmacology
Journal of the American Pharmacists Association
Medical Care
Journal of International Public Health
Journal of Pain
Journal of Substance Abuse and Misuse
Journal of Substance Abuse Treatment
Pain Medicine
Pain Research & Management
Patient Intelligence
PLOS ONE
Research in Social and Administrative Pharmacy

Service to Pharmacy Profession and National Organizations

American Association of Colleges of Pharmacy

Member Since 2012

2020 – 2021 Academic Leaders Fellowship Program (ALFP-Cohort 17)
2016 - 2017 Abstract reviewer for abstracts in Social and Administrative Sciences (SAS)
2015 Reviewer for AACP New Investigator Award
2013 - 2014 Member, on committee task force to examine funding in SAS programs
2015, 2016 Attendee at Annual Meeting

American Pharmacists Association

Member Since 1997

2021 Chair-elect, APhA-APRS, Economic, Social and Administrative Sciences Section
2021 Presentation moderator, ESAS
2017 Moderator for ESAS Podium Session II
2016 - 2017 *Member*, ESAS Research Roundtables Planning Committee
2016 - 2017 Member, APhA-APRS Professional Development Lunch Roundtables Planning Committee
2015 Abstract reviewer for Contributed Papers – Annual Meeting
2014 Abstract reviewer for Contributed Papers – Annual Meeting
2013 Abstract reviewer for Contributed Papers – Annual Meeting
2007 - 2017 Attendee at Annual Meeting

International Society of Pharmacoeconomics and Outcomes Research (ISPOR)

Member Since 2006

2007 - 2019 Attendee and presenter at International Meeting

Research in Social and Administrative Pharmacy (Journal)

2020 Editorial Board Member
2017 Special guest editor of themed issue on prescription drug misuse

Industry Pharmacists Organization (IPhO)

2016 - 2019 UH Student Chapter Co-Advisor

American Society of Health-System Pharmacists (ASHP)

2013 - 2017 Member

Pharmacy Quality Alliance

2014 - 2016 Ambassador for University of Houston

Proteus Digital Health

2015 Consultant, PRO instrument development

Academy of Managed Care Pharmacy (AMCP)

2013 - 2015 Member

Iroko Pharmaceuticals

2014 Advisory meeting on pain management in workers compensation

Center for Pharmacy Practice Accreditation

2013 - 2014 Special Collaborator

AACP Building Research Teams Task Force

2013 - 2014 Member

Texans Legal Workgroup Task Force

2012 - 2014 Working to integrate PDMP data with Health Information Exchanges - Greater Houston Health Connect

AMCP, University of Houston Student Chapter

2013 - 2018 Co-Advisor

International Society for Pharmacoepidemiology (ISPE), The University of Texas Student chapter

2006 - 2012 Member

The University of Texas Intellectual Entrepreneurship

2009 - 2011 Mentored pharmacy students interested in pharmacy graduate education

American Pharmacists Association

2009 - 2011 Member, Postgraduate Committee

The University of Texas College of Pharmacy, Honors Program.

2010 Mentored a P3 pharmacy student and provided a graduate student "experience"

Rho Chi Pharmacy Honor Society

2008 Member

International Society of Pharmacoeconomics and Outcomes Research (ISPOR), The University of Texas at Austin

2007 - 2008 Pharmacy Council Representative

The University of Texas Office of the Dean of Students Mentor Program

2007 - 2008 Mentor

Leadership Conference, International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Annual Meeting, Arlington, Virginia

2007 Serving as Student Chapter Representative

MEDIA

Television Interviews

1. Expert opinion interview provided for **KHOU-TV** (local CBS affiliate). News story on “Cutting prescription drug costs by buying abroad” available at <http://www.khou.com/news/investigations/consumer/cutting-prescription-drug-costs-by-buying-abroad/415779481>. Feb 27, 2017.
2. Expert opinion interview provided for local **KIAH-TV** (local CW affiliate). News Fix story on “Dose of Reality: America’s opioid epidemic hits Houston” available at <http://cw39.com/2017/05/11/dose-of-reality-americas-opioid-epidemic-hits-houston/>. April 2016.
3. Expert opinion interview provided for **KPRC-TV** (local NBC affiliate). News story on “Local 2 Investigates pharmacy prescription mistakes” video available online at <http://www.click2houston.com/news/local-2-investigates-pharmacy-prescription-mistakes/25785450>. May 2014.
4. Expert opinion interview provided for local **KIAH-TV** (local CW affiliate). News Fix story on “Potent new pain pill Zohydro sparks controversy” video available online at <http://video.newsfixnow.com/Potent-new-pain-pill-Zohydro-sparks-controversy-25666457?playlistId=12109#.U3l6BCiGeSq>. February 2014.

Radio Interviews

1. Radio Interview: UPDATE: Harris County Sues Pharmaceutical Companies, Doctors For ‘Opioid Epidemic’ Houston Public Media online at <https://www.houstonpublicmedia.org/articles/news/2017/12/13/256069/harris-county-to-sue-pharmaceutical-companies-for-opioid-epidemic/>
2. **Live Radio Interview:** What’s Being Done to Fight Opioid Addiction in Houston? Houston Matters - Houston Public Media News 88.7 <http://www.houstonpublicmedia.org/articles/news/health-science/2017/04/25/219190/whats-being-done-to-fight-opioid-addiction-in-houston/>

Print Media

1. Expert opinion contribution for the *Houston Press* article “Semi Stoned: It’s Not Illegal to Take Opioids if You’re Behind the Wheel of a Big Rig” available at <http://www.houstonpress.com/news/semi-stoned-its-not-illegal-to-take-opioids-if-youre-behind-the-wheel-of-a-big-rig-7588747>. July 14, 2015.
2. Expert opinion contribution for the Houston Chronicle article “Changing health care world impacts pharmacist’s role, responsibilities” available at <http://www.chron.com/jobs/article/Changing-health-care-world-impacts-pharmacist-s-6004534.php>. January 2015.
3. Expert opinion interview provided for a radio interview with KTRH NewsRadio 740AM by Nikki Courtney. “Powerful Painkiller Zohydro Available This Month” available online at <http://www.ktrh.com/articles/houston-news-121300/powerful-painkiller-zohydro-available-this-month-12120140>. March 2014.
4. Featured interview with First Report Managed Care Magazine by Tim Casey. “Prescription Drug Monitoring Programs to Curb Controlled Substance Abuse.” February 2014.
5. Expert opinion interview provided for a radio interview with KTRH NewsRadio 740AM by Corey Olson. “Doctors Over Prescribe Name-Brand Drugs” available online at <http://www.ktrh.com/articles/houston-news-121300/doctors-over-prescribe-namebrand-drugs-11851604/>. November 2013.
6. Featured researcher on the website dug dug: Research made simple for the publication entitled, Prescribers and Pharmacists Requests for Prescription Monitoring Program (PMP) Data: Does PMP Structure Matter? October 2013.