

CURRICULUM VITAE

Lindsey E Dayer, PharmD, BCACP

Personal

Business: University of Arkansas for Medical Sciences (UAMS)
College of Pharmacy
4301 West Markham St. #522-4
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Licensure: Arkansas Pharmacist License # 11084
(Issued 2009)

Certification: Board of Pharmacy Specialties
Board Certified Ambulatory Care Pharmacist (BCACP)
(Issued 2011)

Post-Graduate Education

2009-2010 Pharmacy Practice Residency
UAMS, University Hospital
Little Rock, Arkansas
ASHP Accredited

Education

2005-2009 Doctor of Pharmacy
UAMS, College of Pharmacy
Little Rock, Arkansas

2001-2005 Biology Major (*Magna Cum Laude*)
University of the Ozarks
Clarksville, Arkansas

Academic Appointment

July 2017-Present Associate Professor
UAMS, College of Pharmacy
Department of Pharmacy Practice
Little Rock, Arkansas

July 2010-June 2017 Assistant Professor
UAMS, College of Pharmacy
Department of Pharmacy Practice

Little Rock, Arkansas

August 2009-May 2010

Clinical Instructor
UAMS, College of Pharmacy
Therapeutics I and II Recitation Leader
Little Rock, Arkansas

Administrative Appointment

July 2015-Present

Director of Experiential Education
UAMS, College of Pharmacy
Office of Experiential Education
Little Rock, Arkansas

Affiliate Faculty

May 2017-Present

Affiliate Faculty
UAMS Center for Health Literacy (CHL)
Little Rock, Arkansas

Professional Practice Experience

Clinical Experience

November 2016-Present

Clinical Pharmacist, Sickle Cell Clinic
UAMS, Cancer Institute
Little Rock, AR

December 2011-July 2015

Clinical Pharmacist, Palliative Care Clinic
UAMS, Cancer Institute
Little Rock, AR

July 2010-2012

Clinical Pharmacist, Medical Oncology Clinic
UAMS, Cancer Institute
Little Rock, AR

July 2009-Present

Clinical Pharmacist, Anticoagulation Clinic
UAMS, University Hospital Outpatient Center
Little Rock, Arkansas

Other Experience

July 2009-June 2010

Pharmacist/Relief Pharmacist
UAMS, Inpatient Pharmacy
Little Rock, Arkansas

May 2009-July 2009

Pharmacist
UAMS, Outpatient Pharmacy
Little Rock, Arkansas

Teaching

College of Pharmacy: Current Participation

PHPR 7355 Special Problems [elective]. **Co-Coordinator/Lecturer** (2018-Present).
Research elective. Spring 2018 (6 students), Spring 2019 (4 students)

PHPR 7364 Special Problems Acad Adm. Research. Faculty Advisor. Course Description:
The student will work on a research project related to medication adherence apps. The student will analyze data and begin putting together a manuscript for publication. Fall 2018 (1 student),
Spring 2019 (2 students)

PHPR 5332 Special Problems [elective]. **Co-Coordinator/Lecturer** (2016-Present).
Leadership. Fall 2016 (11 students), Fall 2017 (10 students), Fall 2018 (12 students)

PHPR 5473 Problem Based Learning Therapeutics [elective]. **Coordinator/Lecturer**
(2016-2018). Supportive Care in Oncology

PHPR 5332 Special Problems Clinical Practice [elective]. **Coordinator/Lecturer** (2015).
Oncology and Supportive Care. Spring 2015 (7 students).

PHPR 5332 Special Problems [elective]. **Faculty** (2014). Assessment of medication
adherence smartphone applications and development of a medication adherence app
website. Fall 2014 (1 student).

PHPR 4692 Self-Care Therapeutics. **Instructor** (2014-Present). Instructor hours: 2014 (4
hours); 2015 (3 hours). *N/V & Gas Online Module (2014); Heartburn, constipation, and
diarrhea* TBL session.

PHPR 5636 Therapeutics II. **Coordinator** (2014-Present); **Lecturer** (2013-Present).
Lecture hours: 2013 (3 hours); 2014 (5 hours); 2015 (5 hours); 2016 (4 hours); 2017 (5
hours); 2018 (6 hours)
*Hematology/Thrombosis: Management of Venous Thromboembolism I; Management of
Venous Thromboembolism II; Hypercoagulable States (2013); Anemia; Sickle Cell
Anemia; Myeloproliferative Neoplasms/Disorders (2014-2015); Pain III, Pain IV.*

PHPR 5644 Therapeutics III. **Lecturer** (2011-2018). Lecture hours: 2011 (4 hours); 2012
(10 hours); 2013 (9 hours); 2014 (9 hours); 2015, 2016 (10 hours), 2017 (7 hours),
2018(2 hours).

*Hematology/Oncology: Intro to Oncology; Hematology/Oncology: Antineoplastics
Overview; Hematology/Oncology: Colorectal Cancer; Hematology/Oncology: Prostate
Cancer; Hematology/Oncology: Breast Cancer; Hematology/Oncology: Lung Cancer;
Hematology/Oncology: Melanoma; Hematology/Oncology: Non-Hodgkin Lymphoma
(2014); Hematology/Oncology: Symptomatic Treatment and Complications of Cancer
Therapy; Hematology/Oncology: Cancer Pain Management; Hematology/Oncology:
Hematopoietic Stem Cell Transplantation (2012).*

PHPR 5362 Drug-Induced Disease [elective]. **Co-coordinator** (2011-2014). **Lecturer** (2010-2016). Lecture hours: 2010 (1 hour); 2011 (2 hours); 2012 (4 hours); 2013 (4 hours); 2014 (4 hours); 2016 (1 hour).

Chemotherapy-Induced Gastrointestinal Diseases; Chemotherapy-Induced Hematological Disorders; Chemotherapy-Induced Allergic Reactions; Chemotherapy-Induced Cardiovascular Diseases.

PHPR 7103 (PHPR 3422, previous) Career Orientation and Communications. **P1 Small Group Facilitator (5 hours)** (2010-Present).

PHPR 6614 Experiential Education Elective. **Preceptor**, 4-week practical rotations in an experiential education administrative elective at the UAMS College of Pharmacy. 2016-2017 (3 students), 2017-2018 (3 students) 2018-2019 (3 students directly under me, 6 others in our office)

PHPR 7417 Research Elective. Preceptor, 4-week practical rotation focusing on a research topic. Administrative elective at the UAMS College of Pharmacy. 2018-2019 (2 students, August).

College of Pharmacy: Previous Participation

PHPR 6614 Ambulatory Care Rotation, Oncology/Hematology Palliative Care Clinic. **Preceptor**, 4-week practical rotations in adult ambulatory care at UAMS Winthrop P. Rockefeller Cancer Institute Outpatient Clinic. 2010-2011 (2 students), 2011-2012 (12 students), 2012-2013 (10 students), 2013-2014 (13 students), 2014-2015 (11 students), 2015-2016 (2 students).

Preceptor, ASHP Accredited Pharmacy Practice Residency. UAMS, University Hospital. Medical Oncology Ambulatory Care Rotation: 2010-2011 (1 resident: UAMS); 2011-2012 (1 resident: UAMS); UAMS, University Hospital. Hematology/Oncology Palliative Care Ambulatory Care Rotation: 2012-2013 (3 residents: UAMS (PGY-1 x 2) and VA (PGY-2 x 1 for 2 months)); 2013-2014 (2 residents: UAMS (PGY-1 x 1) and VA (PGY-2 x 1 for 2 months)); 2014-2015 (2 residents: UAMS (PGY-1 x 1) and VA (PGY-2 x1 for 2 months)); 2015-2016 (1 resident: VA (PGY-2)).

PHPR 4625 Therapeutics I (Spring 2010) and Therapeutics II (Fall 2009) Recitation.

Clinical Instructor

PHPR 6614 Advanced Pharmacy Practice Experience. **Co-Preceptor** (August-November 2009 and March 2010)

College of Public Health-Physician Assistant Program: Previous Participation

PAS 5252 Pharmacotherapy I. **Lecturer** (2013-2014). Lecture hours: 2013 (6 hours); 2014 (6 hours).

Anemia and Other Blood Disorders; Oncology 1; Oncology 2; Inflammatory Bowel Disease; Diarrhea, Constipation, IBS, Hemorrhoids, and Nausea and Vomiting.

College of Medicine/Physical Medicine Residents

Pain Management Series. Lecturer (2018-present). Lecture hours: 2018 (2 hours). Pain Management Series: Opioid Pain Management/Pharmacology and Non-narcotic pain management/pharmacology

Research Experience

Ongoing Collaborative Research Projects

Primary-Investigator, *The impact of the CDC Guidelines for Opioid Prescribing for Chronic Pain in an Academic Medical Center Emergency Department*. UAMS, 2018-Present, IRB approved

Primary-Investigator, *Effect of recreational cannabis on opioid utilization in palliative care cancer patient*, UAMS, 2018-Present, IRB approved

Primary-Investigator, *Evaluation of the MyMeds Smartphone Adherence App in an Outpatient Hospital Pharmacy*, 2018-Present, IRB approved

Co-Investigator, *Comparing effectiveness of gabapentin and pregabalin in treatment of neuropathic pain: a retrospective cohort of palliative care outpatients*. University of Arkansas for Medical Sciences, 2016-Present, IRB approved

Grants and Contracts

Funded

Opioid and Pain Management Pilot Grant Opportunity. UAMS Translational Research Institute. The Development and Implementation of a Standardized Pain Management Protocol for Adult Sickle Cell Patients. Issam Makhoul (PI); Funded December 2018, \$20,100.

Role: Co-Investigator

Submitted

No current grants submitted.

Unfunded

2014 PhRMA Foundation Young Investigator Center for Adherence Improvement Research Starter Grant. *Do Smartphone 'Apps' Improve Neuropathic Pain Medication Adherence*.

Role: Principal Investigator

2013 Adherence to Oral Chemotherapy Research Grant, Oncology Nursing Society Foundation. *Potentially Modifiable Factors Associated with Hormone Therapy Adherence and Persistence in Women with Estrogen Receptor-Positive Breast Cancer*.

Carol A. Enderlin (PI); January 2013

Role: Co-Investigator

UAMS Translational Research Institute. *The Influence of Cancer on Hypertension, Diabetes, and Hyperlipidemia Control.*

Bradley C. Martin (PI); November 2012, \$25,000

Role: Co-Investigator

R21: National Institutes of Health. *Do Smartphone Apps Improve Antihypertensive Adherence & Blood Pressure Control?*

Lindsey Dayer (PI); June 2012, \$395,287

Role: Principal Investigator

2011 Pharmacy Resident Practice-Based Grant. ASHP Foundation. *Medication Adherence Among Patients Who Receive Oral Antineoplastic Agents in the UAMS Ambulatory Oncology Clinic.*

Tara Hoesli (PI); October 2011, \$4824

Role: Co-Investigator, Mentor

Publications

Peer-Reviewed Publications

Dayer LE, Painter JT, McCain K, King J, Cullen J & Foster HR. A recent history of opioid use in the US: Three decades of change, *Substance Use & Misuse*, 2018 (published online) DOI: [10.1080/10826084.2018.1517175](https://doi.org/10.1080/10826084.2018.1517175)

Heldenbrand SD, **Dayer LE**, Martin BC, O'Brien C, Choi, AN, Gubbins PO, Hawthorne, J, Ramey M, Willis K, and Flowers SK. APPE Evaluations are Positively Associated with MMI, Pre-pharmacy GPA and Pharmacy GPA. *AJPE* 2018;82(7) Article 6326; 818-825

Dayer LE, Shilling R, Van Valkenburg M, Martin BC, Gubbins PO, Hadden K, Heldenbrand S. Assessing the smartphone adherence app marketplace from the health professional and consumer vantage points. *JMIR Mhealth Uhealth* 2017;5(4):e45. PMID: 28428169

Dayer L, Dunn, E, Pace A, Flowers S. Pharmacists' perceived knowledge of and confidence in dispensing oral antineoplastic agents. *JAPhA*. 2016;56:141-144

Heldenbrand S, Martin BC, Gubbins, PO, Hadden K, Renna C, Shilling R, **Dayer L**. Assessment of medication adherence apps features, functionality, health literacy level and the creation of a searchable web-based adherence app resource for health care professionals and patients. *JAPhA*. 2016;56:293-302.

Dayer L, Harrington S, Martin B. Adherence to adjuvant neuropathic pain medications in a palliative care clinic. *JPM*. 2016;19. E-publication.

Dayer LE, Hutchins LF, Johnson JT. Treatment of metastatic melanoma with pazopanib: A report of five patient cases. *J Oncol Pharm Practice*. Published online Feb 27, 2014.

Dayer L, Heldenbrand S, Anderson P, Gubbins PO, Martin BC. Smartphone medication adherence apps: Potential benefits to patients and providers. *J Am Pharm Assoc*. 2013;53:172-181. (191 citations as of 7/28/17)

Submitted Manuscripts

Dayer L, Pritchard R, Harrington SE. Pharmacist Delivered Patient Care in an Interdisciplinary Team-Based Institutional Palliative Care Clinic, 2012-2018. *Journal of the American College of Clinical Pharmacy (JACCP)*. Submitted on January 2019.

Non-Reviewed Publications

Dunn E, Wolfe J, **Dayer L**. Safety Nets. *The Arkansas Pharmacist* 2012. Summer 2012.

Book Chapters

Dayer L and Hutchison LC. Chapter 6: Palliative and Hospice Care. In: Hutchison LC, Sleeper-Irons RB, eds. *Fundamentals of Geriatric Pharmacotherapy*. 2nd edition. Bethesda, MD: American Society of Health-System Pharmacists, 2015.

Editorials

Dayer L, Heldenbrand S, Anderson P, Gubbins PO, Martin BC. Letters. Smartphone medication adherence apps: Potential benefits to patients and providers: Response to Aungst. *J Am Pharm Assoc*. 2013; 53:242.

Abstracts and Meeting Presentations

Original Work, National, Peer Reviewed

Kling B, Breckling, M, Painter JT, Lakkad M, Pritchard R, **Dayer LE**. Impact of the CDC guidelines on opioid prescribing for chronic pain in an academic medical center emergency department. 2018 ASHP Midyear Clinical Meeting, Anaheim, CA, December 3, 2018.

Belz J, Forseth B, Pritchard E, **Dayer LE**, Painter JT. Effect of recreational cannabis on opioid utilization in palliative care cancer patients. 2018 ASHP Midyear Clinical Meeting, Anaheim, CA, December 3, 2018.

Heldenbrand SD, Castleberry A, Payakachat N, **Dayer LE**, Martin BC, Choi AN, Flowers SK. MMI, PCAT, and pharmacy GPA are associated with performance on cumulative high-stakes examination in senior year. 118th Annual Meeting of the American Association of Colleges of Pharmacy, Nashville, TN, July 15-19, 2017 (*AJPE* 2017; 81 (5) Article S5 pp 114).

Dayer LE, Flowers SK, Martin BC, O'Brien CE, Choi A, Hawthorne J, Willis K, Ramey M, Heldenbrand S. Multiple-mini interview (MMI) for pharmacy school admissions is

prognostic with advanced pharmacy practice experience (APPE) scores. 117th Annual Meeting of the American Association of Colleges of Pharmacy, Anaheim, CA, July 23-27, 2016. (*AJPE* 2016; 80 (5) Article S2 pp 32).

Dayer L, Harrington S. Pharmacist delivered patient care in an institutional palliative care clinic. American College of Clinical Pharmacy Virtual Poster Symposium. May 2016. (*Pharmacotherapy* 2016).

Shilling R, VanValkenburg M, Renna C, **Dayer L**, Martin BC, Hadden K, and Heldenbrand. There are too many apps for that: Development of a website helps patients and providers find quality medication adherence applications. American Pharmacists Association Annual Meeting, Baltimore, MD, March 4-7, 2016. (JAPhA 2016)

Dayer L, Harrington S, Martin B. Adherence to adjuvant neuropathic pain medications in palliative care. American College of Clinical Pharmacy Virtual Poster Symposium. May 2015. (*Pharmacotherapy* 2015; 35 (5): e 66-95. [**Abstract 31**])

Heldenbrand S, Martin B, **Dayer L**, Renna C, Shilling R. Navigating the adherence app marketplace: Rating the quality of the medication adherence apps. March 2015(*JAPhA* 2015; 55 (2): e113-e263. [**Abstract 25**]).

Dayer LE, Warmack TS, Flowers SK. Variations of Campus Assignment Policies at Colleges of Pharmacy with Distant Campuses. 115th Annual Meeting of the American Association of Colleges of Pharmacy, Grapevine, TX, July 26-30, 2014. (*Am J Pharm Ed* 2014; 78 (5): Article 111).

Dayer L, Payakachat N. Barriers to medication adherence among patients receiving oral antineoplastic agents. American College of Clinical Pharmacy Virtual Poster Symposium. May 20-21, 2014. (*Pharmacotherapy* 2014; 34 (6): e74-115. [**Abstract 46**])

Dayer L, Flowers S, Dunn E. Evaluation of community pharmacists' perceived confidence identifying drug/herbal interactions and adverse drug events with oral antineoplastic agents. American College of Clinical Pharmacy Virtual Poster Symposium. May 20-21, 2014. (*Pharmacotherapy* 2014; 34 (6): e74-115. [**Abstract 15**])

Dayer LE, Johnson J, Merrell K, and Hutchins L. Treatment of metastatic melanoma with pazopanib: a report of 5 patient's cases. American Society of Health-System Pharmacists 2013 Midyear Clinical Meeting, Orlando, FL, December 8-12, 2013. [**Poster # 1-039**]

Dayer LE, Flowers SK, Pace AC, Dunn E. Evaluation of Community Pharmacists' Knowledge and Confidence When Counseling Patients on Oral Antineoplastic Agents. 113th Annual Meeting of the American Association of Colleges of Pharmacy, Kissimmee, FL, July 14-18, 2012. (*Am J Pharm Ed* 2012; 76 (5): Article 99)

Hoesli, T, **Dayer, L**, Payakachat N. Barriers to Medication Adherence among Patients Who Receive Oral Antineoplastic Agents in the Outpatient Setting. 2011 American Society of Hospital Pharmacy Annual Meeting (ASHP). [**Poster**], New Orleans, Louisiana.

Heldenbrand S, **Turnbow L**, Payakachat N. Evaluation of Patient Satisfaction and Self-Efficacy after Medication Education Following Solid Organ Transplantation [**Abstract 211**]. 2010 American College of Clinical Pharmacy Annual Meeting (ACCP). [**Poster**], Austin, Texas, 17-20, 2010

Original Work, Regional, Non-Reviewed

Evaluation of Patient Self-Efficacy and Satisfaction after Medication Counseling Post-Transplantation. [**Presentation**] Midwest Pharmacy Residents Conference. Omaha, Nebraska, May 7, 2010

Original Work, State, Non-Reviewed

Kling B, Breckling, M, Painter JT, Lakkad M, Pritchard R, **Dayer LD**. Impact of the CDC guidelines on opioid prescribing for chronic pain in an academic medical center emergency department. AAHP Annual Fall Seminar, Little Rock, AR, October 11, 2018.

Belz J, Forseth B, Pritchard E, **Dayer LE**, Painter JT. Effect of recreational cannabis on opioid utilization in palliative care cancer patients. AAHP Annual Fall Seminar, Little Rock, AR, October 11, 2018.

Bookout C, Boyle B, Thornton S, Erbach, K, Aykin-Burns N, Castleberry AN, **Dayer L**. Advancing Student's Learning in a Pharmacology Course through Counseling a Cancer Patient. Student Research Day 2016, University of Arkansas for Medical Sciences, Little Rock, AR, April 13, 2016. [**Poster #24**].

Bookout C, Boyle B, Thornton S, Erbach K, Aykin-Burns N, **Dayer L**, Castleberry A. Advancing Student's Learning in a Pharmacology Course through Counseling a Cancer Patient. Encore Presentation: Arkansas Pharmacists Association Annual Convention Student Poster Session, Hot Springs, AR, June 23, 2016. [Student Poster Session Award Winner]

Shilling R, VanValkenburg M, Renna C, **Dayer L**, Martin B Hadden K, and Heldenbrand S. There are too many apps for that: Development of a website helps patients and providers find quality medication adherence applications. Arkansas Association of Health-System Pharmacists 49th Annual Fall Seminar, Little Rock, AR, October 8-9, 2015 [**Poster**].

Dayer L and Renna C. Navigating the flooded adherence app marketplace: rating the quality of the medication adherence apps. UAMS Women in Research Poster Showcase, Little Rock, AR, October 2014 [**Poster**].

Renna C, Shilling R, Heldenbrand S, **Dayer L**, and Martin B. Navigating the flooded adherence app marketplace: rating the quality of medication adherence apps. Arkansas Association of Health-System Pharmacists 48th Annual Fall Seminar, Little Rock, AR, October 2-3, 2014 **[Poster]**.

Dayer LE, Johnson J, Merrell K, and Hutchins L. Treatment of metastatic melanoma with pazopanib: a report of 5 patient's cases. Arkansas Association of Health-System Pharmacists 47th Annual Fall Seminar, Little Rock, AR, October 3-4, 2013. **[Poster]**

National Invited Presentations

Message in a Bottle: Innovations to Improve Adherence. ACCP Global Conference on Clinical Pharmacy, Seattle, Washington. October 23, 2018. (1.5 hour CE, presented with Barry Carter and Jennifer Cocohoba).

PharmTalk: Innovations in Expanding Pharmacy Practice Opportunities: Part 2. Interprofessional Practice in a Sickle Cell Clinic. APhA 2018, Nashville, Tennessee, March 16, 2018.

APhA-APRS ESAS Colleagues in Research: Stick to the Script: Tech Advancements in Medication Adherence; Day of Science Track, San Francisco, California, March 25, 2017.

Invited Presentations

Opioid Use: Review for Primary Care. 22nd Annual Family Medicine Update. UAMS, Little Rock, Arkansas. October 26, 2018.

Changes in Experiential Education: Standards, Rubric, Graduation with Honors in Experiential Education. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, July 11, 2016

Adjuvant Pain Medication Review. Partners in Care Conference, Little Rock, Arkansas, October 3, 2014.

Controversies in Pain Management. 15th Annual Geriatrics and Long-Term Care Update, Little Rock, AR, September 14, 2014.

Oral Chemotherapy Adherence. Cancer Institute Grand Rounds, UAMS Winthrop P. Rockefeller Cancer Institute, Little Rock, Arkansas, October 3, 2012

Immunotherapy for Prostate Cancer: A New Frontier. Annual Florence Zook Oncology Nursing Symposium, UAMS Winthrop P. Rockefeller Cancer Institute, Little Rock, Arkansas, August 24, 2012

Adjuvant Pain Medication Review. 2nd Annual Palliative Care Conference, Little Rock, Arkansas, June 16, 2012

The Cost-Effective View of Medications for Symptom Management. Annual Florence Zook Oncology Nursing Symposium, UAMS Winthrop P. Rockefeller Cancer Institute, Little Rock, Arkansas, August 26, 2011

Clinical Pharmacy Services in the Cancer Institute. Cancer Institute Grand Rounds, UAMS Winthrop P. Rockefeller Cancer Institute, Little Rock, Arkansas, June 29, 2011

Pulmonary Hypertension. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, January 27, 2010

Continuing Education Programs

Common Medications Used in Sickle Cell Disease. Connecting Across Professions, UAMS Center for Distance Health, ANGELS. Little Rock, Arkansas, June 12, 2018

Considerations in Outpatient Pain Management for Sickle Cell Disease. Connecting Across Professions, UAMS Center for Distance Health, ANGELS. Little Rock, Arkansas, September 5, 2017.

Emotional Intelligence and Student Performance. Encore Preceptor Development Conference. Northwest COP Campus. Fayetteville, Arkansas, November 6, 2016

Opioid Use and Pain Management. Arkansas Association of Health-System Pharmacists online webinar. June 16, 2016.

Emotional Intelligence and Student Performance. Inaugural Preceptor Development Conference. Winthrop Rockefeller Institute. Morrilton, Arkansas, April 9, 2016

The Golden Years and Pain Management. APN Medication Update. UAMS Institute on Aging, Little Rock, Arkansas, April 12, 2013.

Adjuvant Pain Medication Review. Healthy Connections Incorporated Inservice, Mena, Arkansas, August 29, 2012

Yervoy. Nursing Inservice Education Opportunity (Sponsored by the Cancer Institute Education Committee), Little Rock, Arkansas, May 9th & 16th, 2012

Pharmacist's Involvement in the Management of Pain. Pharmacist Continuing Education Program. Russellville, Arkansas, December 13, 2011.

Oral Chemotherapy: A New Era in Cancer Treatment. Pharmacist Continuing Education Program. Golden Certificate Program. Little Rock, Arkansas, October 27, 2011

Oral Chemotherapy Adherence Workshop. Pharmacist and Nursing Continuing Education Program. Oncology Nursing Society 2011 Fall Fling. Little Rock, Arkansas, October 15, 2011

Oral Chemotherapy: A New Era in Cancer Treatment. Pharmacist Continuing Education Program. Little Rock, Arkansas, October 9, 2011

Pharmacist's Involvement in the Management of Adverse Effects Related to Chemotherapy and Targeted Therapies. Pharmacist Continuing Education Program. Arkansas Association of Health-System Pharmacists 2011 Fall Seminar. Little Rock, Arkansas, October 6, 2011

Clinical Pharmacy Services in the Cancer Institute. College of Pharmacy Noon Seminar, Little Rock, Arkansas, September 23, 2011

Conflict Management. Pharmacist Continuing Education Program. Sandestin, Florida, August 5, 2011

The Pharmacist's Role in Infertility. Pharmacist Continuing Education Program. Sandestin, Florida, August 5, 2011

A Review of Histo. Pharmacist Continuing Education Program. Arkansas Association of Health-System Pharmacists 2009 Fall Seminar. Little Rock, Arkansas, October 8, 2009

Volunteer Presentations

Women in pharmacy: How we got there. UCA STEM Leadership for Girls Conference. Conway, Arkansas, February 26, 2016.

Ad-Hoc Misc. Curriculum Design

Adult Sickle Cell Curriculum for Residency Students and the UAMS Regional Programs: Section 1-Safe Opioid Prescribing Practices. March 2017.

Web-Based Practice Resources

Heldenbrand S, Martin BC, Gubbins PO, Hadden K, Renna C, Shilling R, Dayer L. A medication adherence app finder (www.medappfinder.com)

Media Appearances

World's Leading Digital Adherence Researchers Choose MyMeds Digital + Human Platform for Research Partnership. MyMeds Press Release. May 16, 2018. Available at <http://www.prweb.com/pdfdownload/15487917.pdf>

Student Fellowships Build Pipeline to Research Careers. UAMS Journal. Summer 2015. Article written by Jon Parham.

Smart Medication Reminders for the Tech-Savvy Patient. US News and World Report. April 21, 2015. Article written by Samantha Costa; accessed at <http://health.usnews.com/health-news/health-wellness/articles/2015/04/21/smart-medication-reminders-for-the-tech-savvy-patient>

PharmD Professors Discuss the Value of AdhereTech's Smart Pill Bottle and the Data it Collects. AdhereTech. Oct 2014; accessed at <http://blog.adheretech.com/post/99991267960/pharmd-professors-discuss-the-value-of#>

Medication Adherence Apps Coming of Age. Pharmacy Practice News. Sept 2014;41. Article written by Paul Bufano. Accessed at http://www.pharmacypracticenews.com/ViewArticle.aspx?d=Technology&d_id=52&i=September+2014&i_id=1098&a_id=28199

Apportunities for Better Medication Adherence. Clinical Innovation+Technology. January 2014. Article written by Laura Pedulli. Accessed at <http://www.clinical-innovation.com/topics/mobile-telehealth/apportunities-better-medication-adherence?nopaging=1>.

Smartphone Study Outlines Adherence App Potential. Pharmacy Times. July 2013. www.PharmacyTimes.com.

Apps to Help Patients Remember Meds. KARK 4 News. May 8, 2013. http://arkansasmatters.com/fulltest?nxd_id=660712.

Dayer L, Heldenbrand S, Anderson P, Gubbins PO, Martin BC. Smartphone medication adherence apps: Potential benefits to patients and providers. J Am Pharm Assoc. 2013;53(2):172-181. Article featured on Medscape Pharmacists. http://www.medscape.com/viewarticle/782609_1

Panel Participation

Topic: Oncology/Chemotherapy Adverse Effects, Arkansas Association of Health-System Pharmacists 2011 Fall Seminar. Little Rock, Arkansas, October 6, 2011

Expert Contributor

Planner, Appropriate Prescribing of Opiates CE online course (released August 2018) to help Arkansas health care providers (facilitator: Jeannette Shorey) Available at <https://uams.cloud-cme.com/default.aspx?EID=23940&P=3000&CaseID=25>
Pharmacist's Letter. Adherence. Mar 2016; Vol. 32(3).
Pharmacist's Letter. Medication Adherence. Dec 2013; Vol 29(12).

Certifications and Specialty Training

Community Pharmacy-Based Point-of-Case Testing Certificate Program (completed October 4, 2017)
Board Certified Ambulatory Care Pharmacist (issued December 2011, recertification issued 1/1/2019)
HIPAA Required Privacy & Security Training (up to date)
UAMS Teaching Certificate Program (June 2009-July 2010)
Basic Cardiac Life Support, American Heart Association (up to date, recommended renewal 2/2020)
Immunization Certification, Arkansas State Board of Pharmacy (issued June 2009)

Professional Organizations

National Level

American Association of Colleges of Pharmacy (AACP), 2010-Present
American College of Clinical Pharmacy (ACCP), 2009-Present
American Pharmacists Association (APhA), 2009-Present
American Society of Health System Pharmacists (ASHP), 2009-Present

State Level

Arkansas Chapter of American College of Clinical Pharmacy (AR-ACCP), 2011-2014, 2016
Arkansas Pharmacists Association (APA), Hospital Pharmacist Member, 2010-Present
Arkansas Association of Health-System Pharmacists, 2010-Present

Previous Professional Organization (and involvement)

Hematology Oncology Pharmacists Association (HOPA), 2010-2016

Manuscript Reviews

CPTL: January 2019 (*Pharmacy students' level of financial literacy and its differences among students with various career intentions*). Decision:

CPTL: December 2017 (*Assessment of a didactic ambulatory care pharmacy elective on student perceptions and subsequent performance in an ambulatory care advanced pharmacy practice experience*)

JPM: October 2017 (*Levorphanol for the treatment of intractable neuropathic pain in cancer patients*)

JMIR: August 2017 (*The development of a multi-level iphone game to increase motivation and adherence to antiretroviral treatment for youth living with HIV*)

JMIR: April 2017 (*Text messaging and smartphone applications as interventions to improve adherence in adolescents with chronic health conditions: A systematic review*)

Currents in Pharmacy Teaching and Learning (CPTL), February 2016 (*Development of a pharmacy elective in a pharmacy school*)

Journal of Medical Internet Research (JMIR): Jan 2015 (*Can standards and regulations keep up with health technology*), Nov 2013 (*Evaluating the perceptions of mobile medication management applications with adults 50 and older*)

Journal of the American Pharmacist Association (JAPhA), March 2013 (*Smartphone application (app) for pharmaceutical care*)

Professional Appointments and Service

National Level

2018-2019	Reviewer , AACP New Investigator Award (NIA)
2017-Present	Member (and Chair starting July 2018-Present), AACP Pharmacy Practice Awards Committee
2017-2018	Member , 2018 AACP Annual Meeting, Experiential Education Section, Abstract Committee
2017-2018	Member , 2018 AACP Annual Meeting, Pharmacy Practice Section, Abstract Committee (reviewed 5 abstracts)
2015-2016	Reviewer , 2016 AACP Annual Meeting, Experiential Education Section, Abstracts Committee
2015-2016	Delegate , UAMS Faculty AACP House of Delegates
2013-2014	Reviewer and Member , HOPA Research Abstract Review Committee (Term: June 1, 2013-May 31, 2014)

State Level

2015-2018	Chair , AAHP Membership and Communication Council
2011-2012	Member, AR-ACCP Programming Committee

University Level

2018-Present	Member, UAMS Conflict of Interest (COI) Committee
2015-2017	Member, Appropriate Prescribing Workgroup
2014	Member, UAMS Patient and Family Centered Care (PFCC) Committee
2011-2014	Delegate (College of Pharmacy), UAMS House of Delegates (HOD)
2009- 2010	Member, UAMS Pharmacy and Therapeutics Committee

College Level

2018-Present	Co-Leader, Curriculum 2020 Working Group
2018-Present	Member, APPE Readiness Working Group
2017-Present	Member, Pharmacy Practice OSCE Board (Chair- appointed January 2018)
2016-2017	Chair, Family Medicine position search committee
2016	Member, Hem/Onc/Palliative Care position search committee (Chair: Denise Ragland)

2016-2017	Member, Special Test Taking Accommodations Committee
2016	Member, Experiential Education APPE Design Ad Hoc Committee
2016	Co-Chair, Curriculum Retreat Experiential Education work group
2015-Present	MMI Co-Coordinator, Pharmacy School Admissions Interviews
2015	Member, EBRx/NCTR position search committee (Chair: Jeremy Thomas, PharmD)
2013-2014	Member, Residency Discussion Group
2013-2014	Member, Academic Progression Committee
2013-2015	Member, Assessment Committee
2012-Present	Member, Campus Assignment Committee
2011-2013	Chair-2013-Present Member, Interprofessional Community Clinic Committee (professional advisory board)
2011-2013, 2014-Present	Member, Admissions Committee
2011-Present	Faculty Advisor, Phi Delta Chi
2011	Member, Grievance Panel
2010-Present	Mentor, College of Pharmacy Mentorship Program
2010-Present	Reviewer, Teaching Certificate Portfolio

Leadership and Professional Development

June 7-9, 2017	OSCE-ology Leslie Dan Faculty of Pharmacy Toronto, ON
September 2016-Present	Provost's Leadership Book Club
January 2015-December 2015	UAMS Leadership Institute Little Rock, AR
July 2011-2015	Dean's Leadership Book Club
June 2011	Train the Trainer Conference: Oral Chemotherapy Adherence, Washington, D.C.

Awards and Honors

State Level Awards and Honors

AR-ACCP New Investigator Award, 2016

University of Arkansas College of Pharmacy Awards and Honors

Selected by The Rho Chi Society, Beta Iota Chapter into The Society as a faculty member, November 13, 2015

Phi Delta Chi Distinguished Alumnus, Beta Eta Chapter 2013-2014

APhA-ASP Overall Outstanding P3, 2008

University of the Ozarks Awards and Honors

Hurie Award (selected by faculty and presented to one senior student per year), 2005

Other

Certificate of Outstanding Contribution in Reviewing, awarded March 2018; Elsevier (Currents in Pharmacy Teaching and Learning)

Community Service/Volunteer Activities

Volunteer, Leukemia and Lymphoma Support Group, Arkansas Cancer Society, 2012-2014

Resident Mentor, UAMS University Hospital Pharmacy Residency Program, 2011-2012, 2012-2013.

Volunteer Pharmacist, Shepherds Hope Free Clinic, Little Rock Arkansas, Nov 2010-2012