

Curriculum Vitae

Leah Sera, PharmD, MA, BCPS

Education and Training

Doctor of Philosophy, Health Professions Education Program Director: Violet Kulo University of Maryland Baltimore Baltimore, MD	2026-present
Master of Arts, Education Concentration: Instructional Systems Development Program Director: Greg Williams University of Maryland Baltimore County Catonsville, MD	May 21, 2017
Certificate in Instructional Technology Program Director: Greg Williams University of Maryland Baltimore County Baltimore, MD	Dec 16, 2016
Certificate in Instructional Systems Development Program Director: Greg Williams University of Maryland Baltimore County Baltimore, MD	Dec 17, 2014
ASHP Accredited Pain and Palliative Care Residency (PGY2) Director: Mary Lynn McPherson, PharmD, BCPS, CPE University of Maryland School of Pharmacy Baltimore, MD	Sep 2011-Aug 2012
ASHP Accredited Pharmacy Practice Residency (PGY1) Director: Lisa Charneski, PharmD, BCPS Suburban Hospital Bethesda, MD	Jul 2010- Aug 2011
Teaching Certificate Program University of Maryland School of Pharmacy Baltimore, MD	Aug 2010-May 2011
Doctor of Pharmacy, graduated <i>cum laude</i> University of Maryland School of Pharmacy Baltimore, MD	May 19, 2010

Associate of Science, Biological Sciences

Montgomery College
Rockville, MD

May 20, 2005

Experience

Academic Appointments**Associate Dean for Recruitment, Admissions, and Integration**

University of Maryland School of Pharmacy

Sep 2024-present

Vice Chair of Academic Affairs

Department of Practice, Sciences, and Health Outcomes
Research

Jan 2024-Dec 2024

Associate Professor

University of Maryland School of Pharmacy
Department of Pharmacy Practice and Science
Rockville, MD

Jul 2020-present

Program Co-Director, Graduate Studies in Medical Cannabis

University of Maryland School of Pharmacy
Baltimore, MD

Feb 2019-Sep 2024

Associate Graduate Faculty

University of Maryland Graduate School
Baltimore, MD

Sep 2018-present

Assistant Professor

University of Maryland School of Pharmacy
Department of Pharmacy Practice and Science
Rockville, MD

Aug 2012-Jul 2020

Clinical Instructor

University of Maryland School of Pharmacy
Baltimore, MD

Sep 2011-Jul 2012

Pharmacy Practice Experience**Clinical Pharmacist, Transitional Care Center**

Baltimore Washington Medical Center
Glen Burnie, MD

Jul 2018 – Jul 2023

Clinical Pharmacy Specialist, Palliative Medicine

MedStar Montgomery Medical Center
Olney, MD

Jan 2015 – Aug 2017

Clinical Pharmacist, Pain Management

Baltimore Washington Medical Center

Jul 2013-Jul 2015

Glen Burnie, MD

Pharmacist, Inpatient Pharmacy
University of Maryland Medical Center
Baltimore, MD

Sep 2011-Aug 2012

Pharmacist, Inpatient Pharmacy
Suburban Hospital
Bethesda, MD

Jul 2010 – Aug 2011

Teaching Experience

University of Maryland School of Pharmacy

Course Manager

PharmFusion 1	2026-present
Introduction to Medical Cannabis History, Culture, and Policy (PHMY 5022)	2020-present
Education Theory and Practice (non-credit course)	2016-present
Immunology (PHAR 525)	2014-2017, 2024-2026
Essential Study Skills (PHMY 536)	2014-2020
Abilities Lab 1 (PHAR 505)	2014-2015
Abilities Lab 4 (PHAR 548)	2012-2020

Lecturer/Instructor

Immunology (PHAR 525)	2018-2019
Abilities Lab 5 (PHAR 557)	2011-2012, 2025-present
Self-Care and Nonprescription Pharmacotherapy 1	2016-present
Applied Science and Therapeutics 8 (PHAR 5008/PHAR 5022)	2016-2025
Applied Science and Therapeutics 3 (PHAR 5003)	2015-present
Pathophysiology, Pharmacology, and Therapeutics 7 (PHAR 559)	2014-2015
Pharmacotherapy of the Critically Ill Patient (PHMY 563)	2014-2019
Geriatric Pharmacotherapy (PHMY 517)	2014-2018
Ambulatory Care Pharmacy Practice (PHMY 546)	2014
Pharmacotherapy 1 (PHAR 569)	2012-2018
Immunology (PHAR 525)	2012-2014
Pathophysiology, Pharmacology, and Therapeutics 9 (PHAR 561)	2012-2013
Abilities Lab 6 (PHAR 567)	2012
Care of the Terminally Ill (PHMY 593)	2011-2012
Abilities Lab 1 (PHAR 505)	2011-2012
Abilities Lab 2 (PHAR 518)	2011
Pathophysiology, Pharmacology, and Therapeutics 6 (PHAR 551)	2010-2014
Abilities Lab 3 (PHAR 538)	2010-2011

Experiential Courses

Pharmacist Career Exploration (IPPE 1000) Preceptor	2026-present
Palliative Care (APPC 480) Preceptor	2016-2017
Acute Care General Medicine (APPE 451) Course Manager	2016-present
Healthy Aging (IPPE 203) Preceptor	2012-2013

Dissertation Committee

Abisola Olopoenia, committee member	2020-2021
<i>Patterns of gabapentin, opioid and benzodiazepine utilization among disabled Medicare beneficiaries</i>	

University of Maryland Baltimore School of Graduate Studies**Course Manager**

Advanced Cannabis Therapeutics for Somatic Conditions	2026-present
Advanced Cannabis Therapeutics for Neuropsychiatric Conditions (MCST 606)	2026-present
Medical Psychedelic Science and Therapeutics (MCST 618)	2024-present
Research Design and Medical Cannabis (MCST 611)	2023-2024
State and Federal Cannabis Laws and Policies (MCST 610)	2023-2024
Medical Cannabis Capstone II (MCST 615)	2020-2024
Medical Cannabis Capstone I (MCST 614)	2020-2024
Medical Cannabis Symposium (MCST 613)	2020-2025
Introduction to Medical Cannabis History, Culture, and Policy (MCST 601)	2019-present
Clinical Uses of Medical Cannabis (MCST 604)	2019-present
Expert Seminars and Case Studies (MCST 612)	2019-2021
Palliative Care and End-of-Life Issues (THAN 605)	2018-present
Advanced Non-pain Symptom Management (PALC 611)	2018

Lecturer/Instructor

State and Federal Cannabis Laws and Policies (MCST 610)	2022
Research Design and Medical Cannabis (MCST 611)	2022

University of Maryland School of Nursing**Dissertation committee**

Linda Goetz, committee member	2025-present
<i>The Influence of Δ^9-tetrahydrocannabinol on Severe TBI-Associated Systemic Inflammatory Response Syndrome</i>	

Professional Service

Local and National

Member, Task Force for Re-Engaging Pharmaceutical Industry,	2026-present
Council of Deans, American Association of Colleges of Pharmacy	
Member, Resolutions Committee, Council of Deans, American Association of Colleges of Pharmacy	2025-2026
Governor's Appointee, Cannabis Public Health Advisory Council	2022-2025
Member, Nominations Committee, American Association of Colleges of Pharmacy, Graduate Studies Special Interest Group	2022-2026
Chair, Pain and Palliative Care Practice and Research Network, American College of Clinical Pharmacy	2016- 2017
Member, Education Committee, Society of Palliative Care Pharmacists	2016- 2020
Chair-elect, Pain and Palliative Care Practice and Research Network, American College of Clinical Pharmacy	2015- 2016
Secretary/Treasurer, Pain and Palliative Care Practice and Research Network, American College of Clinical Pharmacy	2014- 2015
Member, Education Advisory Committee, American Pain Society	2013- 2015
Member, Advocacy Committee, Ambulatory Care Practice and Research Network, American College of Clinical Pharmacy	2012- 2013

University of Maryland School of Pharmacy Service

Member, ex officio, Assessment Committee	2025-present
Member, ex officio, Ad-Hoc Recruitment Committee	2025-present
Chair, Ad-Hoc Recruitment Committee	2024-2025
Member, ex officio, PharmD admissions committee	2024-present
Member, MCST admissions committee	2024-2025
Member, Curriculum Committee	2024
Member, Curriculum Redesign Committee	2023-2025
Member, OSCE Committee	2023 -2025
Member, Student Affairs Committee	2022-2024
Chair, MCST Steering Committee	2019-2024
Chair, MCST Admissions Committee	2019-2024
Chair, Ambulatory Care Faculty Search Committee	2017-2018
Member, Faculty Affairs Committee	2016-2018
President, Faculty Assembly	2015- 2016
Member, Assessment Committee	2015- 2016

Member, Student Affairs Committee	2014- 2015
Vice-President, Faculty Assembly	2014- 2015
Faculty Co-advisor, American Pharmacists Association Academy of Student Pharmacists (APhA-ASP), Shady Grove campus	2012-2019

University of Maryland Baltimore Service

Member, Search Committee, Faculty Center for Teaching and Learning	2022-2023
Member, LEAPS Steering Committee	2022-2025
Senator, Faculty Senate	2016-2019

Community Service

S'Mores Learning Night James McHenry Elementary/Middle School	Nov 2024
Olney Boys and Girls Club Boys 2011 Boys Rangers Team Manager, Olney, MD	2020-present
Vote and Vax Free Flu Clinic Universities and Shady Grove, Rockville, MD	Nov 2016
Capitol Hill Health Fair Rayburn Building, Washington, DC	Nov 2014
Montgomery County Free Flu Clinic Universities at Shady Grove, Rockville, MD	Oct 2014
Frontiers in Science and Medicine Universities at Shady Grove, Rockville, MD	Oct 2014
Montgomery County Free Flu Clinic Universities at Shady Grove, Rockville, MD	Nov 2012
Vote and Vax Community Flu Vaccination Clinic Langley Park Community Center, Langley Park, MD	Nov 2012
Frontiers in Science and Medicine Universities at Shady Grove, Rockville, MD	Oct 2012
Pain and Symptom Management Hopewell Cancer Support House Calls Educational Series, Lutherville, MD	Jan 2012
Ow, That Hurts! Managing Pain The Golden Dove Senior Center, Baltimore MD	Oct 2011
Managing Your Medications Rockville Senior Center, Rockville, MD	Aug 2010

Publications

Books

Sera L and Hempel-Sanderoff C. Cannabis Science and Therapeutics: The Essential Guide for Clinicians. Springer; 2025. 145 pp. DOI: <https://doi.org/10.1007/978-3-031-80352-9>

Chapters

Stevenson M and **Sera L**. Symptom control in palliative care settings: The role of cannabis-based medicines. In: Martin C, Patel VB, Preedy V. eds. Medicinal Usage of Cannabis and Cannabinoids. Elsevier; 2023.

Tran D and **Sera L**. Red Flags and Fraudulent Prescriptions. In: Gupta V, Nguyen T, Clark M, Williams E, Cone C, Desselle S. eds. Pharmacy Practice Skills: A Guide for Students and Instructors. New York, NY: McGraw-Hill. (online textbook)

Sera L. Chronic pain management with anticoagulation. In: Kathryn Kiser, editor. Oral Anticoagulation Therapy: Cases and Clinical Correlation. Springer; 2017. p. 231-237.

Journal Articles

Smith PS, **Sera L**. The cannabis-mind connection: a clinician's perspective on mental health practice, harm reduction, and racial equity. J Cannabis Res. 2025 Nov 22;7(1):102. doi: 10.1186/s42238-025-00360-1.

Sera L, Lipphardt S, Poling J, McGovern S, Cooke C. At-risk opioid users in a commercially insured population: identification and outreach from a medical and pharmacy claims database. Journal of Opioid Management. 2025; 21(1):71-76. DOI: 10.5055/jom.0881.

Noel Z, **Sera L**, McPherson ML. Old Habits Die Hard: Regression in Learning and Study Strategies Inventory Scores in PharmD Students. American Journal of Pharmaceutical Education. 2024; 88(6):100713.

Sera L, Hempel SC. Cannabis Science and Therapeutics: An Overview for Clinicians. Journal of Clinical Pharmacology. 25 Dec 2023;64(5):499-513. doi:10.1002/jcph.2400

Sera L, Duncan N. Medical Cannabis: Roles, Responsibilities, and Challenges for Clinical Pharmacists. Journal of the American College of Clinical Pharmacy. 20 May 2023; 6(7):732-41. <https://doi.org/10.1002/jac5.1820>

Olopoenia A, Camelo-Castillo W, Qato DM, Adekoya A, Palumbo F, **Sera L**, Simoni-Wastila, L. Adverse outcomes associated with concurrent gabapentin, opioid, and benzodiazepine utilization: A nested case-control study. The Lancet Regional Health - Americas. 2022;13. doi:10.1016/j.lana.2022.100302

Sera L, Lipphardt S, Poling J, McGovern S, Cooke CE. Opioid prescribing patterns in a commercially insured population. Drug and Alcohol Dependence. 2022; 236: doi.org/10.1016/j.drugalcdep.2022.109490.

Olopoenia A, Camelo-Castillo W, Qato D, Adedoya A, Palumbo F, **Sera L**, Simoni-Wastila L. Patterns of opioid and benzodiazepine use with gabapentin among disabled Medicare

beneficiaries-A retrospective cohort study. *Drug and Alcohol Dependence*. 2022; 230: doi:10.1016/j.drugalcdep.2021.109180.

Furuno J, Noble B, McPherson M, Lapane K, **Sera L**, Izumi S, Tjia J. Variation in Hospice Patient and Admission Characteristics by Referral Location. *Medical care* 2020; 1069-1074.

Tran D, Mattingly TJ, **Sera L**. Building Confidence: Three-Year Evaluation of Systematic Progression of Prescription Verification on Students' Confidence During IPPE. *Curr Pharm Teach Learn*. 2020; 12(4): 388-394. DOI: 10.1016/j.cptl.2019.12.036

Sera L, McPherson ML. Effect of a Study Skills Course on Student Self-Assessment of Learning Skills and Strategies. *Currents in Pharmacy Teaching and Learning*. *Curr Pharm Teach Learn*. 2019; 11(7):664-668. DOI: 10.1016/j.cptl.2019.03.004DOI: 10.1016/j.cptl.2019.03.004

Williams A, **Sera L**, McPherson ML. Anticholinergic Burden of Hospice Patients with Dementia. *American Journal of Hospice and Palliative Medicine*. 2018; DOI: 10.1177/1049909117705379

Sera L, McPherson ML. Management of Opioid-Induced Constipation in Hospice Patients. *American Journal of Hospice and Palliative Medicine*. 2017; DOI: 10.1177/1049909117705379

Sera L. Treating Opioid-Induced Constipation in Older Adults. *Annals of Long-Term Care: Clinical Care and Aging*. 2017;25(2):20-21.

Sera L, Brown M, McPherson ML, Walker K, Klein-Schwartz W. State survey of medical boards regarding abrupt loss of a prescriber of controlled substances. *Journal of Opioid Management*. 2017;13(2):105-110.

Sera L, Wheeler E. Game on: the gamification of the pharmacy classroom. *Currents in Pharmacy Teaching and Learning*. 2017; 9(1):155-9.

Sera L, Uritsky T. Pharmacokinetic and pharmacodynamic changes in older adults and implications for palliative care. *Progress in Palliative Care*. 2016;24(5):255-261.

Afrane M, **Sera L**, Holmes H, McPherson M. Commonly Prescribed Medications Among Patients in Hospice Care for Chronic Obstructive Pulmonary Disease. *The American journal of Hospice & Palliative Care*. 2016;33(7):638-43.

Winans AR, Pawasauskas J, **Sera L**. Symptom management overview: Opioid-induced constipation. *Journal of Hematology Oncology Pharmacy*. 2015; 5(4):111-114.

Sera L. #SocialBookmarking: An overview and primer for use in pharmacy education. *Currents in Pharmacy Teaching and Learning*. 2015; 7(3):342-7.

Sera L, Holmes HM, McPherson ML. Prescribing Practices in Hospice Patients With Adult Failure to Thrive or Debility. *Progress in Palliative Care*. 2014; 22(2):69-74.

Sera L, McPherson ML, Holmes HM. Commonly prescribed medications in a population of

hospice patients. American Journal of Hospice and Palliative Medicine 2013;31(2):126-31.

Sera L, McPherson ML. Pharmacokinetic and pharmacodynamic changes associated with aging and implications for drug therapy. Clinics in Geriatric Medicine 2012; 28:273-86.

Electronic Publications/Blogs

Cimino N and **Sera L**. Telecare: just what the doctor ordered for chronic pain? iForumRx. 2014; October.

Local/Regional Newsletters

Sera L. Management of opioid-induced constipation. AAHPM Quarterly. Fall 2016.

Nkobena C, **Sera L**. Treating opioid-induced constipation: A community pharmacy perspective. Maryland Pharmacist. Fall 2016.

Yoon C, **Sera L**. New Therapies for the Management of Obesity. Pharmascript. 2013; 37(4):8-11.

Sera L, McPherson ML. What put the “special” in special K? Exploring the use of ketamine as an analgesic agent. PainView. American Society of Pain Educators. 2012; 8(2):24-6.

Sera L. Acetylcysteine (intravenous) (Acetadote®). ToxTidbits: Antidote Facts. Maryland Poison Center. Baltimore, MD. January 2011.

Sera L. Acetylcysteine (oral). ToxTidbits: Antidote Facts. Maryland Poison Center. Baltimore, MD. January 2011.

Sera L. Benzonatate (Tessalon). ToxTidbits Newsletter. Maryland Poison Center. Baltimore, MD. January 2011.

Sera L. Octreotide for Malignant Intestinal Obstruction. PharmSmart newsletter; 5(9). Seasons Hospice and Palliative Care. December 2009.

Sera L. KetaWHAT? Use of Ketamine for Refractory Pain. PharmSmart newsletter; 5(11). Seasons Hospice and Palliative Care. December 2009.

Sera L. Nebulized Morphine. PharmSmart newsletter; 5(12). Seasons Hospice and Palliative Care. December 2009.

Sera L. Body Packers and Body Stuffers. ToxTidbits newsletter. Maryland Poison Center. Baltimore MD. August 2009.

Grants and Contracts

Service addendum, Memorandum of Understanding for Joint Clinical and Educational Collaboration Between Baltimore Washington Medical Center, Inc. and the University of Maryland School of Pharmacy

2021-2023

Principal Investigator

Service contract

\$76,035

Service addendum, Memorandum of Understanding for Joint Clinical and Educational Collaboration Between Baltimore Washington Medical Center, Inc. and the University of Maryland School of Pharmacy 2020-2021

Principal Investigator

Service contract

\$67,225

Opioid Use and Prescribing Analysis 2019-2020

Principal Investigators: Sera L and Cooke C.

CareFirst, Inc.

Creative grant

\$27,500

Service addendum, Memorandum of Understanding for Joint Clinical and Educational Collaboration Between Baltimore Washington Medical Center, Inc. and the University of Maryland School of Pharmacy 2018-2020

Principal Investigator

Service contract

\$119,665

Service addendum, Memorandum of Understanding for Joint Clinical and Educational Collaboration Between Montgomery General Hospital d/b/a Medstar Montgomery Medical Center and the University of Maryland, Baltimore 2016-2017

Principal Investigator

Service contract

\$151,130

Memorandum of Understanding for Joint Clinical and Educational Collaboration Between Montgomery General Hospital d/b/a Medstar Montgomery Medical Center and the University of Maryland, Baltimore 2015-2016

Principal Investigator

Service contract

\$89,562.64

Management of Opioid-Induced Constipation in Advanced Illness: A Survey of Hospice Organizations 2015

Principal Investigator

Cumberland Pharmaceuticals and the University of Tennessee Medical Center

Creative grant

\$6,040

Controlled Dangerous Substance Emergency Preparedness Plan 2013-2014
 Principle investigators: McPherson ML, Walker K
 Co-investigators: Klein-Schwartz W, Sera L
 Maryland Department of Health and Mental Hygiene; Alcohol and Drug Abuse
 Administration
 Creative grant
 \$600,000

Presentations

Poster Presentations

Sera L , Johnson C, Finn L, Coop A. Graduating students' perspectives of a master's program in medical cannabis science and therapeutics (poster). AACP Annual Meeting. Dallas, TX.	Jul 2026
Kurdziel A, Kaur P, Bekele M, Cho M, Heavner M, Sera L , Stinchcomb A. Evaluating the impact of a pharmaceutical industry elective on pharmacy students' attitudes and career planning. AACP Annual Meeting. Dallas, TX.	Jul 2026
Feemster AA, Sera L , Lebovitz L. Creation of a comprehensive self-study course review framework for the curriculum committee (poster). AACP Annual Meeting. Chicago IL.	Jul 2025
Feemster AA, Sera L , Lebovitz L, Tucker S, Xue F, Tran D. From design to delivery: understanding roles in curriculum management (poster). AACP Annual Meeting. Chicago IL.	Jul 2025
Ezeofor L, Sera L , Simms A, Couture L, Duffy A. Oncology patient perspectives on cannabis use for medical purposes related to cancer diagnosis in Maryland. American Society of Health-System Pharmacists Midyear Clinical Meeting. Las Vegas, NV.	Dec 2024
Hanaee A, Hein K, Kim E, Bulkin V, Sera L , Tran D. Knowledge gaps among Maryland community pharmacists regarding cannabis. American Pharmacists Association Annual Meeting and Exposition. Orlando, FL.	Mar 2024
Bhatt M, Wolf V, Sealfon N, Taylor M, Sera L , Shaya F. Needs assessment of education for cannabis dispensary personnel. American Public Health Association 2022 Annual Meeting and Expo. Boston, MA.	Nov 2022
Sera L , Lipphardt S, Poling J, McGovern S, Cooke CE. At risk opioid users in a commercially insured population: Identification and outreach. Academy of Managed Care Pharmacy Nexus 2022. National Harbor, MD.	Oct 2022
Noel Z, Sera L , McPherson ML. Old Habits Die Hard: Longitudinal Changes in PharmD Student Learning and Study Strategies Inventory (LASSI) Scores.	Jul 2022

American Association of Colleges of Pharmacy Annual Meeting. Grapevine, TX.

Johnson C, Finn L, Pearson R, **Sera L**, Tucker S, Coop A. Adapting a PharmD chemistry teaching pedagogy for a foundational cannabis chemistry course for MS students. American Association of Colleges of Pharmacy Annual Meeting Virtual Conference. Jul 2021

Sera L, Finn L, Tucker S, Coop S. Characteristics of Students in the Nation's First Medical Cannabis Master of Science Program. American Association of Colleges of Pharmacy Annual Meeting Virtual Conference. Jul 2021

Sidahmed S, Solinsky P, **Sera L**. Evaluation of interventions for smokers during a care transition from a community hospital to a transitions-of-care clinic. Poster presentation. American Society of Health-System Pharmacists Midyear Clinical Meeting. Dec 2020

Sera L, Morgan J, McPherson ML. Are Pediatric Patients Just Short Adults? Most Commonly Prescribed Drugs For Pediatric Hospice Patients. American Academy of Hospice and Palliative Medicine Annual Assembly, Orlando, FL. Mar 2019

Sera L, Morgan J, McPherson ML. Are Pediatric Patients Just Short Adults? Most Commonly Prescribed Drugs For Pediatric Hospice Patients. Seasons Hospice & Palliative Care 2018 Clinical Leadership Conference, Chicago, IL. Oct 2018

Klingman A, **Sera L**, McPherson ML. Prescribing Trends for Hospice Patients with Amyotrophic Lateral Sclerosis. Seasons Hospice & Palliative Care 2018 Clinical Leadership Conference, Chicago, IL. Oct 2018

Hom A, Mota N, **Sera L**, McPherson ML. Prescribing Practices for the Oldest Old in Hospice Care. Seasons Hospice & Palliative Care 2018 Clinical Leadership Conference, Chicago, IL. Oct 2018

Klingman A, **Sera L**, McPherson ML. Prescribing Trends for Hospice Patients with Amyotrophic Lateral Sclerosis. PainWeek, Las Vegas, NV. Sep 2018

Sera L, Morgan J, McPherson ML. Are Pediatric Patients Just Short Adults? Most Commonly Prescribed Drugs For Pediatric Hospice Patients. PainWeek, Las Vegas, NV. Sep 2018

Sera L, Mattingly JT, Tran D. Impact of Prescription Verification Activities in a Skills-Based Laboratory Course. American Association of Colleges of Pharmacy Annual Meeting, Boston, MA. Jul 2018

Sera L, McPherson ML. Effect of a Study Skills Course on Student Self-Assessment of Learning Skills and Strategies. American Association of Colleges of Pharmacy Annual Meeting, Boston, MA. Jul 2018

McPherson AL, Costantino R, **Sera L**, McPherson ML. Non-Prescription Apr 2018

Medication Use in Hospice Patients. Hospice and Palliative Care Network of Maryland Virtual Conference.

El-Gendi H, Njoku G, McPherson ML, **Sera L**. Characterization of Diabetes Medication in a Population of Hospice Patients. Hospice and Palliative Care Network of Maryland Virtual Conference. Apr 2018

El-Gendi H, Njoku G, McPherson ML, **Sera L**. Characterization of Diabetes Medication in a Population of Hospice Patients. ASHP Midyear Clinical Meeting, Las Vegas NV. Dec 2017

Williams A, **Sera L**, McPherson ML. Anticholinergic Burden in Hospice Patients with Dementia. CAPC National Seminar 2017, Phoenix, AZ. Nov 2017

McPherson AL, Costantino R, **Sera L**, McPherson ML. Non-Prescription Medication Use in Hospice Patients. PainWeek 2017, Las Vegas, NV. Sep 2017

Williams A, **Sera L**, McPherson ML. Anticholinergic Burden in Hospice Patients with Dementia. PainWeek 2017, Las Vegas, NV. Sep 2017

"The 100 most commonly prescribed drugs in a population of hospice patients." **Sera L**, McPherson ML, Holmes H. Seasons Hospice & Palliative Care 2016 Clinical Case Conference, Chicago, IL. Sep 2016

"Medication use in hospice patients with failure to thrive or debility." **Sera L**, Holmes H, McPherson ML. Seasons Hospice & Palliative Care 2016 Clinical Case Conference, Chicago, IL, Sep 2016

"Pharmacotherapeutic management of chronic obstructive pulmonary disease in patients admitted to hospice." Shivananda A, **Sera L**, McPherson ML. Seasons Hospice & Palliative Care 2016 Clinical Case Conference, Chicago, IL, Sep 2016

"Levorphanol: Can this old dog learn new tricks?" **Sera L**, Bemben N. International Conference on Opioids. Boston, MA. Jun 2016

"Between a rock and a hard place? Managing pain in patients on opioid maintenance therapy." Bemben N, **Sera L**. International Conference on Opioids. Boston, MA. Jun 2016

"A Call to Arms: Characterizing Contemporary Drug Issues in Hospice Care." **Sera L**, Lockman K, Eubank D, McPherson ML. Hospice Network of Maryland Annual Conference, Ellicott City, MD. Nov 2014

"Medication Use in Hospice Patients with Failure to Thrive or Debility." **Sera L**, Holmes H, McPherson ML. PAINWeek, Las Vegas, NV. Sep 2012

"100 Most Commonly Prescribed Drugs in a Population of Hospice Patients." Sep 2012

Sera L, McPherson ML, Holmes H. PAINWeek, Las Vegas, NV.

“Medication Use in Hospice Patients with Failure to Thrive or Debility.” **Sera L**, Holmes H, McPherson ML. Maryland Society of Health System Pharmacists Research Night, Baltimore, MD. May 2012

“100 Most Commonly Prescribed Drugs in a Population of Hospice Patients.” **Sera L**, McPherson ML, Holmes H. Maryland Society of Health System Pharmacists Research Night, Baltimore, MD. May 2012

“Medication Use in Hospice Patients with Failure to Thrive or Debility.” **Sera L**, Holmes H, McPherson ML. Hospice Network of Maryland Annual Conference, Ellicott City, MD. May 2012

“100 Most Commonly Prescribed Drugs in a Population of Hospice Patients.” **Sera L**, McPherson ML, Holmes H. First place poster contest winner, Hospice Network of Maryland Annual Conference, Ellicott City, MD. May 2012

“Pharmacotherapeutic Management of Chronic Obstructive Pulmonary Disease in Patients Admitted to Hospice.” Shivananda A, **Sera L**, McPherson ML. University of Maryland School of Pharmacy Research Day, Baltimore, MD. Mar 2012

“Pharmacotherapeutic Management of Heart Failure in Patients Admitted to Hospice.” Ferguson K, **Sera L**, McPherson ML. University of Maryland School of Pharmacy Research Day, Baltimore, MD. Mar 2012

“100 Most Commonly Prescribed Drugs in a Population of Hospice Patients.” **Sera L**, McPherson ML, Holmes H. University of Maryland School of Pharmacy Research Day, Baltimore, MD. Mar 2012

“Medication Use in Hospice Patients with Failure to Thrive or Debility.” **Sera L**, Holmes H, McPherson ML. University of Maryland School of Pharmacy Research Day, Baltimore, MD. Mar 2012

“Proton Pump Inhibitor Use in a Community Hospital.” **Sera L**, Long K, Michaels K, Roggin G. Eastern States Residency Conference, Hershey, PA. May 2011

“Clostridium Difficile Management in a Community Hospital.” **Sera L**, Mahdavi M, Charneski L. American Society of Health System Pharmacists Midyear Clinical Meeting, Anaheim, CA. Dec 2010

Professional Presentations

Sera L. Learning objectives and evaluations. Washington Metropolitan Health Society of Health-System Pharmacists Teaching Certificate Program. Washington, DC. Sep 2026

- Sera L.** Beyond the Buzz: Medical Cannabis in Palliative Medicine. University of Maryland Medical Center Palliative Care Grand Rounds. Virtual. May 2026
- Sera L.** The Do's and Don'ts of Medical Cannabis. Arlington Village Coffee and Conversation Webinar. Virtual. March 2026
- Sera L.** High Expectations: The Medical Use of Cannabis in Older Adults. Eastern Shore Area Health Education Center (ESAHEC) Geriatrics and Gerontology Education and Research (GGEAR) Program Webinar: Cannabis Use and the Older Adult. Virtual. Dec 2025
- Sera L.** Learning objectives and evaluations. Washington Metropolitan Health Society of Health-System Pharmacists Teaching Certificate Program. Washington, DC. Sep 2025
- Sera L.** Higher Education: Medical Cannabis in Pharmacy Schools. Patients Out of Time 16th National Clinical Conference on Cannabis Therapeutics. Charlottesville, VA. Sep 2025
- Sera L.** Turning Over a New Leaf: Developing Graduate Education in Medical Cannabis. Maryland Office of Social Equity. Cultivating Opportunity: The Role of Historically Black Colleges & Universities in Maryland's Cannabis Industry. Annapolis, MD. Aug 2025
- Tareen M, **Sera L**, Hempel-Sanderoff C. How many gummies again? A pot-pourri of cannabis topics in palliative medicine. American Academy of Hospice and Palliative Medicine Annual Assembly. Denver, CO. Mar 2025
- Sera, L.** Driven to Distraction. Maryland Department of Health Annual Violence and Injury Prevention Forum. Hanover, MD. Dec 2024
- Sera L.** Learning objectives and evaluations. Washington Metropolitan Health Society of Health-System Pharmacists Teaching Certificate Program. Virtual. Nov 2024.
- Sera L**, Leonard J. It's Pot, It's Hot, but Sometimes Not. Maryland Society of Health-System Pharmacists Spring Seminar. Hanover, MD. Apr 2024
- Sera L.** You've Got a Friend in Cannabis. American Pharmacists Association Annual Meeting. Phoenix, AZ. Mar 2024
- Sera L.** Learning objectives and evaluations. Washington Metropolitan Health Society of Health-System Pharmacists Teaching Certificate Program. Virtual. Nov 2023
- Heidelbaugh JJ, **Sera L.** Practice pearls for managing opioid-induced constipation. Medscape. Virtual. Aug 2023
- Sera L**, Johnson C. Cannabis Updates: What's New in Science Medicine, and Policy. URecFit. Virtual. Apr 2023

Sera L. The Blunt Basics About Cannabis and Cannabinoids. American Pharmacists Association Annual Meeting. Phoenix, AZ.	Mar 2023
Churgai D (moderator), Maedler R, Sera L , Sulak D. Celebrating 20 Years of Advocacy: Yesterday, Today and Tomorrow. Americans for Safe Access National Medical Cannabis Unity Conference. Virtual.	Dec 2022
Buck J (moderator), Sera L , Hodge R, Williams B, Dhanabalan U. Atlanta University Center Cannabis in Color Homecoming Event. Atlanta, GA.	Oct 2022
Johnson C, Sera L . The Science and Therapeutics of Medical Cannabis. University of Maryland School of Social Work Continuing Education Program. Virtual.	Oct 2022
Sera L . Clinical Implications of Recreational Cannabis. University of Michigan College of Pharmacy. Tom D. Rowe 71st Annual Pharmacy Lectures. Ann Arbor, MI.	Oct 2022
Sera L . High Expectations: The Medical Use of Cannabis. Towson University Alcohol, Tobacco, and Other Drug (ATOD) Prevention Center. Webinar.	Sep 2022
Sera L , Johnson C, Hempel-Sanderoff C, Coop A. High Expectations: Cannabis Science and Medicine. Network for Public Health Law Public Health Law Summit. Baltimore, MD.	Sep 2022
Sera L , Johnson C, Coop A. There'S ROOM for Everyone: The Emerging Field of Psychedelic Therapeutics. Cannabis Science Conference East. Baltimore, MD.	Sep 2022
Sera L . High Expectations: The Medical Use of Cannabis. Society of Otorhinolaryngology and Head-Neck Nurses Annual Congress and Educational Symposia. Philadelphia, PA.	Sep 2022
Maden J (moderator), Sera L , Hrdinova J, Pontiggia L. Job Growth in the Cannabis Industry and Continuing Education. Cannabis Curriculum Convening, Cannabis & Hemp Research Initiative at Stockton University (CHRIS). Virtual.	Apr 2022
Sera L , Wright M. The Good, the Bad, and the Ugly of Cannabis. Stetson's 2021 SNT Conference. St. Petersburg, FL.	Oct 2021
Sera L , Coop A. Turning Over a New Leaf: Developing Graduate Education in Medical Cannabis. Cannabis Science Conference East. Baltimore, MD.	Sep 2021
Sera L . Cutting Through the Clutter of Cannabis: New Challenges for Pharmacists. American Pharmacists Association Institute on Substance Use Disorders. Virtual.	Jun 2021
Sera L . High Expectations: Medical Cannabis in Palliative Care. Capital Caring Health.	Jun 2021

Mathre ML (moderator), Sera L , Kogan M, Zolotov Y, Benavides A. State of Cannabis Education – Who is Teaching Who? 14th National Clinical Conference on Cannabis Therapeutics Patients Out of Time Conference.	May 2021
Sera L . The Role of Pharmacists in Medical Cannabis. College of Psychiatric and Neurologic Pharmacists Annual Meeting. Virtual.	Apr 2021
Sera L . High Expectations: The Medical Use of Cannabis. Washington Metropolitan Society of Health-System Pharmacists. Virtual.	Aug 2020
Sera L , Finn L. A Case Study in Course Development: Expediting MS Cannabis Science and Therapeutics Program. American Association of Colleges of Pharmacy Annual Meeting. Virtual.	Jul 2020
Sera L . The Future of CBD. Baltimore Underground Science Space Panel Discussion: Making Sense of CBD. Virtual.	Jun 2020
Sera L . Medical Cannabis in Palliative Care. Society of Pain and Palliative Care Pharmacists Virtual Conference.	Jun 2020
Sera L . High Expectations: The Medical Use of Cannabis. Boumi Shriners Monthly Meeting. Baltimore, MD.	Mar 2020
Sera L . High Expectations: The Medical Use of Cannabis. Chevy Chase Connections. Kensington, MD.	Jan 2020
Sera L . “New Drugs and Drug News for 2019.” Maryland Pharmacists Association Annual Meeting. Ocean City, MD.	Jun 2019
Abel S, Jorgenson T, Sera L , DiScala S, Waldfogel J. “Opioid Stewardship: A Quality Improvement Approach.” American College of Clinical Pharmacy Global Conference, Seattle, WA.	Oct 2018
Foy M, Stoller M, White T, McPherson A, Constantino R, Sera L , McPherson ML. “Clinical Potpourri.” Hospice & Palliative Care Network of Maryland Muffins for Maniacs webinar series. September 2018.	June 2018
Sera L . “Opioid Pharmacology.” National Institutes of Health Department of Palliative Medicine, Bethesda, MD.	Aug 2017
Sera L . “New Drugs and Drug News for 2017.” Maryland Pharmacists Association Annual Meeting. McHenry, MD.	June 2017
Sera L , Bemben N. “How Much is that Bowel Movement Gonna Cost You? Management of Opioid Induced Constipation.” American Society of Health-System Pharmacists Midyear Clinical Meeting. Las Vegas, NV.	Dec 2016
Lowery A, Downs M, Sera L , Hofmann C. Managing “Difficult” Patients Without Feeling the Burn: A Case-Based Discussion. MedStar Palliative Care	Nov 2016

Symposium. Columbia, MD.

Birrer KL (moderator), **Sera L (moderator)**, Hutchison RW, Abazia DT, Hobbs BP, Kemp LO. "Clinical Pearls: Best Practices in Perioperative Multimodal Pain Management." American College of Clinical Pharmacy Annual Meeting. Hollywood, FL. Oct 2016

Sera L (moderator), Pawasauskas JE, Nesbit SA, Discala SL, Pruskowski J. "Recent Advances and Hot Topics in Palliative Medicine." American College of Clinical Pharmacy Annual Meeting. Hollywood, FL. Oct 2016

Sera L, Bemben N. "New Drugs in Opioid-Induced Constipation: How Much is That Bowel Movement Gonna Cost You? Management of Opioid Induced Constipation." International Conference on Opioids. Boston, MA. June 2016

Sera, L. "Opioid Pharmacology." National Institutes of Health Department of Palliative Medicine, Bethesda, MD. Medicine, Bethesda, MD. Sep 2016

Herndon C, **Sera L**, Dole E, Ray JB. "Lost in Translation: Applying the Science of Clinical Pharmacogenomics to Pain Management." American Society of Health-System Pharmacists Midyear Clinical Meeting, New Orleans, LA. Dec 2015

Sera, L. "Opioid Pharmacology." National Institutes of Health Department of Palliative Medicine, Bethesda, MD. Medicine, Bethesda, MD. Aug 2015

Jackson KC, Ray JB, **Sera L.** "Are You Missing the Signs? Opportunities For Pharmacist Interventions in the Management of Opioid-Induced Constipation." American Pharmacists Association 2015 Annual Conference, San Diego, CA. Mar 2015

Sera, L. "Complex Pain Management: Ketamine and Lidocaine in Palliative Care." National Institutes of Health Department of Palliative Medicine, Bethesda, MD. Oct 2014

Sera, L. "Opioid Pharmacology." National Institutes of Health Department of Palliative Medicine, Bethesda, MD. Aug 2014

Groninger H, Burton B, Hendricks D, **Sera L**, Sullivan M. "Our Double-Edged Sword: Interdisciplinary Approaches to Balancing Symptom control with Diversion and Safety concerns in the Home Care Setting." The Annual Assembly of the American Academy of Hospice and Palliative Medicine & Hospice and Palliative Nurses Association, New Orleans, LA. Mar 2013

McPherson ML, Barkin RL, **Sera L.** "An Individualized Approach to Pain Management: Making a Case for the Community Pharmacist." American Pharmacists Association 2013 Annual Conference, Los Angeles, CA. Mar 2013

Sera, L. "Opioid Pharmacology." National Institutes of Health Department of Jul 2012

Palliative Medicine, Bethesda, MD.

Sera, L. "Ketamine for Complex Pain Management." Fisher BioServices
Continuing Education Series, Rockville, MD Mar 2012

Sera L. "Ketamine for Complex Pain Management." National Institutes of
Health Palliative Care Grand Rounds, Bethesda, MD Feb 2012

Sera L. "Ketamine in palliative care." Baltimore Palliative Care Journal Club,
Baltimore, MD. Nov 2011

Sera L. "Ketamine for Complex Pain Management." American College of
Clinical Pharmacy Annual Conference Palliative Care PRN meeting,
Pittsburgh, PA. Oct 2011

Sera L. "How Special IS Special K? Ketamine for Complex Pain Management." Oct 2011
University of Maryland School of Pharmacy Pharmacotherapy Rounds,
Baltimore, MD.

Sera L. "Clostridium Difficile Infection." University of Maryland School of
Pharmacy Pharmacotherapy Rounds, Baltimore, MD Jan 2011

Podcasts

"A Pioneering Medical Cannabis Education Program." [Joint Session](#). Dec 2025

"Podcast 56 – Talking With Your Patients: Cannabis Use." [Cardi-OH](#). May 2025

"How Cannabis Can Help Cancer Patients." [The Snack Room](#). Jan 2025

"We'd Better Work Together to Address Cannabis Use in Pregnancy." Sep 2024
[iForumRx](#).

"Interview with Leah Sera, PharmD about the MS Degree in Medical Cannabis
Science and Therapeutics at The University of Maryland School of Pharmacy." Apr 2024
[The Pharmacist's Voice](#).

"[The Regimen for Rescheduling Cannabis](#)." The Regimen. Mar 2024

"Episode 34: Curriculum Complexities: A Case Study from the UMB Medical
Cannabis Program." [Moving the Needle](#). Feb 2024

"[Navigating Cannabis Culture and Education](#)." The Bridge. Jan 2024

"[Medical Cannabis](#)." ACCP Journals. Aug 2023

"[Episode 39: UMB'S Groundbreaking Medical Cannabis Science Master's](#)" Sep 2021

[Program](#).” This is USG.

“Cannabis Masters Program.” [Understanding CBD with Max and Steven as heard on WCBM Radio](#). Sep 2021

“Episode 84: Cannabis in Healthcare: Truths and Myths.” [Outspoken Oncology](#). Jul 2020

“Episode 14: Drs. McPherson and Sera.” [Palliative Care Chat](#). Sep 2018

Interviews and Other Media

[Buprenorphine Study Results in Small Reduction in Pain, Opioid Use](#). Pain Medicine News. Aug 2025

[Lack of Cannabis Education Leaves Future Prescribers With a Missing Tool](#). Medscape. Jul 2025

“[As Cannabis Use Increases, Pharmacists Must Be Prepared to Counsel Patients](#).” Pharmacy Times. Mar 2024

Apgar, LA. “[AJEM Live Video, Episode 18: Leah Sera, PharmD, MA, BCPS, and Chad Johnson, PhD](#).” AJEM Live. Feb 2024

“[Dr. Leah Sera: The Nation’s First Masters Program In Medical Cannabis Science](#).” Ganjapreneur. Aug 2020

“[Interview with Leah Sera](#).” CBD-Reviewed. 2019

Subin S. “[UMB has the nation’s first medical cannabis master’s program](#).” The Diamondback. Sep 2019

Awards and Honors

Baltimore Business Journal Leader in Healthcare	2020
Rho Chi Society, Omicron Chapter	2008
Phi Lambda Sigma Leadership Society, Beta Lambda Chapter	2008
Dean’s List, University of Maryland School of Pharmacy	2006-2009

Professional Organizations

National Association of Graduate Admissions Professionals	2026-present
Society of Cannabis Clinicians	2020-2023
Society of Palliative Care Pharmacists	2016-2023

American Pain Society	2013-2014
American Association of Colleges of Pharmacy	2012-present
American Academy of Hospice and Palliative Medicine	2011-2025
American College of Clinical Pharmacy	2011-2019
American Society of Health-System Pharmacists	2009 - 2019
American Pharmacists Association	2006-present
Maryland Pharmacists Association	2006-present

Certificates, Training, and Licensure

Board Certified Pharmacotherapy Specialist Board of Pharmaceutical Specialties	Expires 2028
Registered Pharmacist Maryland State Board of Pharmacy	License # 19769
Pharmacy-Based Immunization Certification American Pharmacists Association	Certified 2009
Basic Life Saving for Healthcare Providers American Heart Association	Expires Feb 2028