

Curriculum Vitae

Leah Sera, PharmD, MA, BCPS

13 Dutchess Ct
Olney, MD 20832
240.731.8061
lsera@rx.umaryland.edu

Education and Training

Master of Arts in 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	May 20, 2005

Rockville, MD

Experience

Academic Appointments

Associate Professor University of Maryland School of Pharmacy Department of Pharmacy Practice and Science Rockville, MD	Jul 2020 - present
Program Director, Medical Cannabis Science and Therapeutics Graduate Program University of Maryland School of Pharmacy Baltimore, MD	Feb 2019-present
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 - 2020
Clinical Instructor University of Maryland School of Pharmacy Baltimore, MD	Sep 2011-Jun 2012

Pharmacy Practice Experience

Clinical Pharmacist, Transitional Care Center Baltimore Washington Medical Center Glen Burnie, MD	Jul 2018 - present
Clinical Pharmacy Specialist, Palliative Medicine MedStar Montgomery Medical Center Olney, MD	Jan 2015 – Aug 2017
Clinical Pharmacist, Pain Management Baltimore Washington Medical Center Glen Burnie, MD	Jul 2013-Jul 2015
Pharmacist, Inpatient Pharmacy University of Maryland Medical Center Baltimore, MD	Sep 2011 – Aug 2012
Pharmacist, Inpatient Pharmacy Suburban Hospital	Jul 2010 – Aug 2011

Bethesda, MD

Teaching Experience

University of Maryland School of Pharmacy

Course Manager

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
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
Applied Science and Therapeutics 8 (PHAR 5008/PHAR 5022)	2016-present
Applied Science and Therapeutics 3 (PHAR 5003)	2015-2019
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
Abilities Lab 5 (PHAR 557)	2011-2012
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

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

University of Maryland Baltimore Graduate School

Course Manager

Research Design and Medical Cannabis (MCST 611)	2023-present
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State and Federal Cannabis Laws and Policies (MCST 610)	2023-present
Medical Cannabis Capstone II (MCST 615)	2020-present
Medical Cannabis Capstone I (MCST 614)	2020-present
Medical Cannabis Symposium (MCST 613)	2020-present
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

Professional Service**Local and National**

Member, Programming Committee, American Association of Colleges of Pharmacy, Graduate Studies Special Interest Group	2022-present
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, Student Affairs Committee	2022-present
Chair, MCST Steering Committee	2019-present
Chair, MCST Admissions Committee	2019-present
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-present
Member, LEAPS Steering Committee	2022-present
Senator, Faculty Senate	2016-2019

Community Service

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

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. [Accepted]

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

Sera L, Duncan N. Medical Cannabis: Roles, Responsibilities, and Challenges for Clinical Pharmacists. Journal of the American College of Clinical Pharmacy. 20 May 2023. <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 Principal Investigator Service contract \$76,035	2021-2023
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 Principal Investigator Service contract \$67,225	2020-2021
Opioid Use and Prescribing Analysis Principal Investigators: Sera L and Cooke C. CareFirst, Inc. Creative grant \$27,500	2019-2020
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 Principal Investigator Service contract \$119,665	2018-2020
Service addendum, Memorandum of Understanding for Joint Clinical and	2016-2017

Educational Collaboration Between Montgomery General Hospital d/b/a Medstar Montgomery Medical Center and the University of Maryland, Baltimore 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 Principal Investigator Service contract \$89,562.64	2015-2016
Management of Opioid-Induced Constipation in Advanced Illness: A Survey of Hospice Organizations Principal Investigator Cumberland Pharmaceuticals and the University of Tennessee Medical Center Creative grant \$6,040	2015
Controlled Dangerous Substance Emergency Preparedness Plan 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	2013-2014

Presentations

Poster Presentations

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. American Association of Colleges of Pharmacy Annual Meeting. Grapevine, TX.	Jul 2022

- 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 Medication Use in 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. 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**, Bembem N. International Conference on Opioids. Boston, MA. Jun 2016
- "Between a rock and a hard place? Managing pain in patients on opioid maintenance therapy." Bembem 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." **Sera L**, McPherson ML, Holmes H. PAINWeek, Las Vegas, NV. Sep 2012
- "Medication Use in Hospice Patients with Failure to Thrive or Debility." **Sera L**, May 2012

- Holmes H, McPherson ML. Maryland Society of Health System Pharmacists Research Night, Baltimore, MD.
- “100 Most Commonly Prescribed Drugs in a Population of Hospice Patients.” May 2012
Sera L, McPherson ML, Holmes H. Maryland Society of Health System Pharmacists Research Night, Baltimore, MD.
- “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.” May 2012
Sera L, McPherson ML, Holmes H. First place poster contest winner, Hospice Network of Maryland Annual Conference, Ellicott City, MD.
- “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.” Mar 2012
Sera L, McPherson ML, Holmes H. University of Maryland School of Pharmacy Research Day, Baltimore, MD.
- “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**, 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 Dec 2022

National Medical Cannabis Unity Conference. Virtual.

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 Apr 2021

and Neurologic Pharmacists Annual Meeting. Virtual.

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

“New Drugs and Drug News for 2019.” **Sera L.** Maryland Pharmacists Association Annual Meeting. Ocean City, MD. Jun 2019

“Opioid Stewardship: A Quality Improvement Approach.” Abel S, Jorgenson T, **Sera L**, DiScala S, Waldfogel J. American College of Clinical Pharmacy Global Conference, Seattle, WA. Oct 2018

“Clinical Potpurri.” Foy M, Stoller M, White T, McPherson A, Constantino R, **Sera L**, McPherson ML. Hospice & Palliative Care Network of Maryland Muffins for Maniacs webinar series. September 2018. June 2018

“Opioid Pharmacology.” **Sera L.** National Institutes of Health Department of Palliative Medicine, Bethesda, MD. Aug 2017

“New Drugs and Drug News for 2017.” **Sera L.** Maryland Pharmacists Association Annual Meeting. McHenry, MD. June 2017

“How Much is that Bowel Movement Gonna Cost You? Management of Opioid Induced Constipation.” **Sera L**, Bemben N. 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 Symposium. Columbia, MD. Nov 2016

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

Hollywood, FL.

- "Recent Advances and Hot Topics in Palliative Medicine." **Sera L (moderator)**, Oct 2016
Pawasauskas JE, Nesbit SA, Discala SL, Pruskowski J. American College of
Clinical Pharmacy Annual Meeting. Hollywood, FL.
- "New Drugs in Opioid-Induced Constipation: How Much is That Bowel June 2016
Movement Gonna Cost You? Management of Opioid Induced Constipation."
Sera L, Bemben N. International Conference on Opioids. Boston, MA.
- "Opioid Pharmacology." **Sera, L.** National Institutes of Health Department of Sep 2016
Palliative Medicine, Bethesda, MD. Medicine, Bethesda, MD.
- "Lost in Translation: Applying the Science of Clinical Pharmacogenomics to Dec 2015
Pain Management." Herndon C, **Sera L**, Dole E, Ray JB. American Society of
Health-System Pharmacists Midyear Clinical Meeting, New Orleans, LA.
- "Opioid Pharmacology." **Sera, L.** National Institutes of Health Department of Aug 2015
Palliative Medicine, Bethesda, MD. Medicine, Bethesda, MD.
- "Are You Missing the Signs? Opportunities For Pharmacist Interventions in the Mar 2015
Management of Opioid-Induced Constipation." Jackson KC, Ray JB, **Sera L.**
American Pharmacists Association 2015 Annual Conference, San Diego, CA.
- "Complex Pain Management: Ketamine and Lidocaine in Palliative Care." Oct 2014
Sera, L. National Institutes of Health Department of Palliative Medicine,
Bethesda, MD
- "Opioid Pharmacology." **Sera, L.** National Institutes of Health Department of Aug 2014
Palliative Medicine, Bethesda, MD.
- "Our Double-Edged Sword: Interdisciplinary Approaches to Balancing Mar 2013
Symptom control with Diversion and Safety concerns in the Home Care
Setting." Groninger H, Burton B, Hendricks D, **Sera L**, Sullivan M. The Annual
Assembly of the American Academy of Hospice and Palliative Medicine &
Hospice and Palliative Nurses Association, New Orleans, LA.
- "An Individualized Approach to Pain Management: Making a Case for the Mar 2013
Community Pharmacist." McPherson ML, Barkin RL, **Sera L.** American
Pharmacists Association 2013 Annual Conference, Los Angeles, CA.
- "Opioid Pharmacology." **Sera, L.** National Institutes of Health Department of Jul 2012
Palliative Medicine, Bethesda, MD.
- "Ketamine for Complex Pain Management." **Sera, L.** Fisher BioServices Mar 2012
Continuing Education Series, Rockville, MD
- "Ketamine for Complex Pain Management." **Sera L.** National Institutes of Feb 2012

Health Palliative Care Grand Rounds, Bethesda, MD

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

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

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

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

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

Society of Cannabis Clinicians	2020-present
Society of Palliative Care Pharmacists	2016-present
American Pain Society	2013-2014
American Association of Colleges of Pharmacy	2012-present
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 2027
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Registered Pharmacist

Maryland State Board of Pharmacy

License # 19769

Pharmacy Based Immunization Certification

American Pharmacists Association

Certified 2009

Expires Nov 2022

Basic Life Saving for Healthcare Providers

American Red Cross