LUCAS A. BERENBROK PharmD, MS, BCACP, TTS

Curriculum Vitae • November 2022

Personal: 27 Richey Ave Pittsburgh, PA 15214 | 724.561.7694

Pittsburgh, PA

Professional: University of Pittsburgh School of Pharmacy, Department of Pharmacy & Therapeutics

3501 Terrace St, 9060 Salk Hall | Pittsburgh, PA 15261 | berenbrok@pitt.edu | 412.624.8109

Leadership Style: Servant Leader

Personal Mission Statement: To cultivate pharmacist leaders who advance pharmacy practice by bettering patient health and medication-related outcomes with multidisciplinary outpatient healthcare teams.

EDUCATION AND TRAINING

UNDERGRADUATE			
2005-2009	Grove City College, Grove City, PA	Bachelor of Science 2009	Biochemistry
GRADUATE			
2009-2013	University of Pittsburgh School of Pharmacy Pittsburgh, PA	Doctor of Pharmacy 2013	Pharmacy
2015-2017	University of Pittsburgh School of Medicine Pittsburgh, PA	Master of Science 2017	Clinical Research
POSTGRADUATE			
2013-2014	University of North Carolina Eshelman School of Pharmacy Chapel Hill, NC	PGY1 Community Pharmacy Residency 2014	Community Pharmacy Practice
	, ,	Program Director: Stephanie P. Ferreri	
CONTINUING			
2020	University of Pittsburgh Office of Academic Career Development,	Faculty Leadership Academy	Leadership
	Health Sciences	Program Director:	

Darlene F. Zellers

APPOINTMENTS AND POSITIONS

ACADEMIC

University of Pittsburgh **Associate Professor** Nov 2022-present Department of Communication (Secondary Appointment) Science and Disorders Pittsburgh, PA July 2022-present University of Pittsburgh Associate Professor Clinical and Translational Science (Secondary Appointment) Institute **Assistant Professor** July 2021-present Pittsburgh, PA Associate Professor July 2021-present University of Pittsburgh School of Pharmacy (Primary Appointment) Pittsburgh, PA July 2014-June 2021 Assistant Professor

NON-ACADEMIC

2019-present	UPMC Primary Care Precision Medicine Pittsburgh, PA	Pharmacogenomics Specialist
2018-2020	Gatti Pharmacy Indiana, PA	Staff Pharmacist
2013-2014	Kerr Drug/Walgreens Kerr East, North Carolina	Relief Pharmacist
2010-2012	Accredo Health Group Warrendale, PA	Pharmacy Intern
2008-2010	Accredo Health Group Warrendale, PA	Pharmacy Technician

CERTIFICATION AND LICENSURE

CERTIFICATION

UNC Eshelman School of Pharmacy Teaching Certificate Program for

Pharmacy Residents

2014

Teaching Mentor: Joel Farley, RPh, PhD

American Pharmacists Association Pharmacy-Based Immunization Delivery

Certificate Program for Pharmacists

2014

Faculty Trainer

2017

National Association of Chain Drug Stores Community Pharmacy-Based Point-of-

Care Testing Certificate Program for

Pharmacists

2015

Trained Trainer

2015

Institute for Research Education & Training in

Addictions (IRETA)

Introduction to Motivational Interviewing

2015

American Heart Association BLS for Healthcare Providers

August 2021

Team-Based Learning Collaborative[™] TBLC Fundamentals Track Workshops

2019

SPECIALTY CERTIFICATIONS

Board of Pharmacy Specialties (BPS)

Board Certified Ambulatory Care Specialist

July 2018

Council for Tobacco Treatment Tobacco Treatment Specialist

Training Programs (CTTTP) July 2018

PROFESSIONAL LICENSURE

Pennsylvania Board of Pharmacy

Pharmacist License No. RP448933 2014-present

Pennsylvania Board of Pharmacy

Authorization to Administer Injectable

Medications License No. RPI009465 2014-present

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Kappa Psi Pharmaceutical Fraternity, Inc.	2009-present
The Rho Chi Society	2011-2013
American Society of Health-System Pharmacists	2012-2019
North Carolina Association of Pharmacists	2013-2014
American Pharmacists Association	
Academy of Pharmacy Practice and Management	2013-present
Academy of Student Pharmacists	2009-2013
Pennsylvania Pharmacists Association	2014-present
American Association of Colleges of Pharmacy	2015-present
Clinical Pharmacogenetics Implementation Consortium	2017-present
Phi Lambda Sigma Pharmacy Leadership Society (Hon.)	2020-present
Pharmacogenetic Variation Consortium	2020-present

HONORS AND AWARDS

2005
2012
2018
2019,2020
2012
2012
2013
2013
2019
2021
2021

PEER REVIEWED REFEREED ARTICLES

- 1. Gazda NP, **Berenbrok LA**, Ferreri SP. Comparison of two medication therapy management practice models on return on investment. J Pharm Pract. 2017;30(3):282-285. PMID: 26888260.
- 2. Grieve LB, **Berenbrok LA**, Pater KS. Using your VOICE(S): Adding telephonic communication to pharmacy education. Inov Pharm. 2017; 8(2).
- 3. Steltenpohl EA, Barry BK, Coley KC, McGivney MS, Olenak JL, **Berenbrok LA**. Point of care testing in community pharmacies: Keys to success from Pennsylvania pharmacists. J Pharm Pract. 2018;31(6):629-635. PMID: 29034781.
- 4. **Berenbrok LA**, Hart KM, McGrath SH, Coley KC, McGivney MS, Empey PE. Community pharmacists' educational needs for implementing clinical pharmacogenomic services. J Am Pharm Assoc. 2019;59(4):539-544. PMID: 31010787.
- 5. Doong K, **Berenbrok LA**, Coley KC, Carroll JC, Richardson R, Antinopoulos BC, Patel A, McGivney MS. Implementation of comprehensive medication management at supermarket pharmacies in a pharmacy network. J Am Pharm Assoc. 2019;59(4S):S25-31. PMID: 31080149.
- 6. Sutt AR, Pagliaro AM, Wilson E, Renner H, Hall DL, **Berenbrok LA**, McGivney MS, Coley KC. Facilitating pandemic influenza vaccination implementation in grocery store chain community pharmacies. J Am Pharm Assoc. 2019;59(6):848-851. PMID: 31405807.
- 7. Lapping AD, Carroll JC, Coley KC, Somma McGivney MA, Doong K, Antinopoulos B, Richardson R, **Berenbrok LA**. Implementation strategies from deployment of the National Diabetes Prevention Program in Pennsylvania community pharmacies. J Am Pharm Assoc. 2020 May-Jun;60(3S):S29-S36.e1. DOI: 10.1016/j.japh.2020.01.010. PMID: 32122758.
- 8. Coley KC, Gessler C, McGivney M, Richardson R, DeJames J, **Berenbrok LA**. Increasing adult vaccinations at a regional supermarket chain pharmacy: A multi-site demonstration project. Vaccine. 2020;38(24):4044-4049. PMID: 32093985.
- 9. **Berenbrok LA**, Renner HM, McGivney MAS, Coley KC. A conceptual value-based incentivization model of adult immunization for community pharmacists. J Am Pharm Assoc. 2020;60(6):835-842. DOI: https://doi.org/10.1016/j.japh.2020.04.023.
- 10. **Berenbrok LA**, Gabriel N, Coley KC, Hernandez I. Evaluation of frequency of encounters with primary care physicians vs visits to community pharmacies among Medicare beneficiaries. JAMA Netw Open. 2020;3(7):e209132. doi:10.1001/jamanetworkopen.2020.9132.
- 11. Pruskowski JA, Ruby CM, **Berenbrok LA**, Seybert AL, and Handler SM. Medication-related 30-day rehospitalizations in palliative care patients. J Am Coll Clin Pharm. 2020;3(6). DOI: https://doi.org/10.1002/jac5.1289.
- 12. Kanmaz TJ, Culhane NS, **Berenbrok LA**, Jarrett J, Johanson EL, Ruehter VL, Trolli E, Welch LH, Heldenbrand SD. Curriculum crosswalk of the core entrustable professional activities for new pharmacy graduates. Am J Pharm Educ. 2020;84(10). DOI: https://doi.org/10.5688/ajpe8077.
- 13. Phi C, **Berenbrok LA**, Carroll JC, Firm A, McGivney MS, Coley KC. Impact of a medication adherence packaging service on patient-centered outcomes at an independent community pharmacy. Pharmacy. 2021;9(1). https://doi.org/10.3390/pharmacy9010011.
- 14. **Berenbrok LA**, Ciemniecki L, Cremeans AA, Albright R, Mormer E. Pharmacist competencies for over-the-counter hearing aids: A Delphi study. J Am Pharm Assoc. 2021 Jul-Aug;61(4):e255-e262. DOI: 10.1016/j.japh.2021.01.039. PMID: 33642240.

- 15. Writer R, Barthen C, Antinopoulos B, Uber R, Stevenson JM, **Berenbrok LA**. How community pharmacists envision using pharmacogenomic data: A qualitative analysis. J Am Pharm Assoc. 2021 Sep-Oct;61(5):e64-e70. DOI: 10.1016/j.japh.2021.04.001. PMID: 33893058.
- 16. Gammal RS, **Berenbrok LA**, Empey PE, Massart MB. Documenting pharmacogenomic test results in electronic health records: Practical considerations for primary care teams. J Pers Med. 2021;11(12):1296. DOI: https://doi.org/10.3390/jpm11121296
- 17. Massart M, Berenbrok LA, Munro C, Berman NR, Empey PE. A multidisciplinary precision medicine service in primary care. Ann Fam Med. 2022 Jan-Feb;20(1):88. doi: 10.1370/afm.2764. PMID: 35074774.
- 18. Guo J, Hernandez I, Dickson S, Tang S, Essien UR, Mair C, **Berenbrok LA**. Income disparities in driving distance to health care infrastructure in the United States: a geographic information systems analysis. BMC Res Notes. 2022 Jun 27;15(1):225. doi: 10.1186/s13104-022-06117-w. PMID: 35761413.
- 19. Hernandez I, Dickson S, Tang S, Gabriel N, **Berenbrok LA**, Guo J. Disparities in distribution of COVID-19 vaccines across US counties: A geographic information system-based cross-sectional study. PLoS Med. 2022 Jul 28;19(7):e1004069. doi: 10.1371/journal.pmed.1004069. PMID: 35901171.
- 20. **Berenbrok LA**, Tang S, Gabriel N, Guo J, Sharareh N, Patel N, Dickson S, Hernandez I. Access to community pharmacies: A nationwide geographic information systems cross-sectional analysis. J Am Pharm Assoc (2003). 2022 Jul 15:S1544-3191(22)00233-3. doi: 10.1016/j.japh.2022.07.003. PMID: 35965233.
- 21. **Berenbrok LA**, DeRuiter M, Mormer E. OTC hearing aids: An opportunity for collaborative working relationships between pharmacists and audiologists. J Am Pharm Assoc (2003). 2022 Aug 24:S1544-3191(22)00285-0. doi: 10.1016/j.japh.2022.08.015. PMID: 36117105.
- 22. **Berenbrok LA**, Gessler C, Kirisci L, Herrera-Restrepo O, Coley KC. Impact of pharmacist motivational interviewing on hepatitis B vaccination in adults with diabetes. J Am Pharm Assoc (2003). 2022 Aug 19:S1544-3191(22)00283-7. doi: 10.1016/j.japh.2022.08.013. Epub ahead of print. PMID: 36115757.
- 23. Wouters OJ, **Berenbrok LA**, He M, Li Y, Hernandez I. Association of research and development investments with treatment costs for new drugs approved from 2009 to 2018. JAMA Netw Open. 2022 Sep 1;5(9):e2218623. doi: 10.1001/jamanetworkopen.2022.18623. PMID: 36156148.

OTHER PEER REVIEWED ARTICLES

- Jarrett JB, Berenbrok LA, Goliak KL, Meyer SM, Shaughnessy AF. Entrustable professional activities: A novel framework for pharmacy education. Am J Pharm Educ. 2018;82(5):6256. PMID: 30013239
- 2. Bacci JL and **Berenbrok LA**. Innovative advances in connectivity and community pharmacist patient care services: Implications for patient safety. Pharmacotherapy. 2018;38(8):867-874. PMID: 29878391.
- 3. **Berenbrok LA,** Corbin N. Remote interprofessional education and practice with older adults: Overcoming barriers at the University of Pittsburgh. AACP Pharmacy Practice. Winter Newsletter. 2021.
- 4. Carroll J and **Berenbrok LA**. How to use data to transform pharmacy practice. Pharmacy Times. November 29, 2021.

OTHER NON-PEER REVIEWED PUBLICATIONS

- 1. Culpepper B and **Berenbrok L**. A new weapon in the fight against diabetes: SGLT2 inhibitors. Inside Pharmacy. 2013;1(2):8-9.
- 2. **Berenbrok LA** and Culpepper B. The pharmacist's emerging role in weight management: A look into new prescription weight-loss medications. Inside Pharmacy. 2013;1(1):30-31.
- 3. Jarrett JB and **Berenbrok LA**. Entrustable professional activities: Personalization and expansion for pharmacy graduates? Am J Pharm Educ. 2016; 80 (9):161. PMID: 28090110.
- 4. **Berenbrok LA**, Carroll JC, Coley KC, and McGivney MS. Pharmacy technician role expansion: An evidence-based position paper. July 2018. National Association of Chain Drug Stores.
- 5. Sparks MK and **Berenbrok LA**. Standardized colleagues in pharmacy education. Am J Pharm Educ. 2018; 82 (6):7167. PMID: 30181680.
- 6. Katie Doong, **Lucas Berenbrok**, James Stevenson, Ryley Uber, Jack Becker, Michele Klein-Fedyshin. Pharmacist-led pharmacogenomics clinical services in outpatient settings: a systematic review. PROSPERO 2019 CRD42019119746 Available from: http://www.crd.york.ac.uk/PROSPERO/display record.php?ID=CRD42019119746.
- 7. **Berenbrok LA**. The primary care pharmacist. J Am Pharm Assoc. 2020;60(1):8-9. PMID: 31917250.
- 8. American Pharmacists Association. Immunization quick reference guide. 2019-2020. Available from: https://media.pharmacist.com/APhA/documents/Immunization/imz-sig-immun-ref-guide-low-res.pdf. Accessed on May 7, 2020.
- 9. **Berenbrok LA**, Tang S, Coley KC, Boccuti C, Dickson S, Hernandez I. Access to potential COVID-19 vaccine administration facilities: A geographic information systems analysis. December 16, 2020. https://s8637.pcdn.co/wp-content/uploads/2020/12/covid-vaccine-distribution-pharmacy-locations-state-county-west_health-university_pittsburgh.pdf.
- 10. Katz DS, Gabriel C, **Berenbrok LA**. Expansion of pharmacy preceptors' cannabidiol knowledge and confidence to ensure patient safety. J Am Pharm Assoc. 2021 Jul-Aug;61(4):e212-e213. DOI: 10.1016/j.japh.2021.03.021. PMID: 33863654.
- 11. Davis EM, Berenbrok LA, Bhatte S, Carter WM, Chu K, Connor SE, Douaihy AB, Frank LR, Macadangdang, Notier A, Pringle JL, Rigotti L. Chancellor's Ad Hoc Committee on Health and Well-being: Recommendations on addressing tobacco and alternative tobacco use final report. Pittsburgh, PA, May 2021, pages 1-55, May 2021.
- 12. **Berenbrok L** and Mormer E. You may soon be able to buy hearing aids over the counter at your local pharmacy. The Conversation. https://theconversation.com/you-may-soon-be-able-to-buy-hearing-aids-over-the-counter-at-your-local-pharmacy-165159. Published September 21, 2021.
- 13. Norris MS, Steinmetz Pater K, **Berenbrok LA**. Expanding remote ambulatory care learning environments from COVID-19 to beyond. Am J Health Syst Pharm. 2022 Apr 1;79(8):621-622. doi: 10.1093/ajhp/zxab463. PMID: 34864848.
- 14. Dickson S, Hernandez I, Gabriel N, Kirby M, Newman TV, **Berenbrok LA**. Estimated savings from application of a domestic reference price model for pricing of drugs at launch, 2015-2019. Council for Informed Drug Spending Analysis 2021. Available at https://www.cidsa.org/publications/estimated-medicare-savings-from-domestic-reference-pricing. Discussed by the Medicare Payment Advisory Committee (MedPAC) Report to Congress entitled "Medicare and the Health Care Delivery System", June 2022. Available at

- https://www.medpac.gov/wp-content/uploads/2022/06/Jun22_MedPAC_Report_to_Congress_SEC.pdf.
- 15. Crossey CD, Garcia A, **Berenbrok LA**. An approach to insulin tapering and discontinuation after glucagon-like peptide-1 receptor agonist initiation. Am J Health Syst Pharm. 2022 Aug 18:zxac230. doi: 10.1093/ajhp/zxac230. PMID: 35981331.
- 16. **Berenbrok L** and Mormer E. Over-the-counter hearing aids have been greenlighted by the FDA your local pharmacist will soon be able to sell you the device you need. The Conversation. https://theconversation.com/over-the-counter-hearing-aids-have-been-greenlighted-by-the-fda-your-local-pharmacist-will-soon-be-able-to-sell-you-the-device-you-need-184890. Published August 23, 2022.
- 17. **Berenbrok L** and Jarlenski M. With over-the-counter birth control pills likely to be approved, pharmacists and pharmacies could play an ever-increasing role in reproductive health care. The Conversation. https://theconversation.com/with-over-the-counter-birth-control-pills-likely-to-be-approved-pharmacists-and-pharmacies-could-play-an-ever-increasing-role-in-reproductive-health-care-189216. Published October 28, 2022.

TEXTBOOK CHAPTERS

- Stevenson JM and Berenbrok LA. Chapter 1. Introduction and fundamentals of pharmacogenomics. In: Lam JT, Gutierrez MA, Shah S, eds. Pharmacogenomics: a primer for clinicians, 1e. New York, NY: McGraw-Hill; 2021.
- 2. Rosenberg E, **Berenbrok LA**, Truong H. Chapter 9. Ethical and legal implications and advocacy related to disasters and emergencies. In: Desai M, Truong H, Normann SA, eds. Disasters and emergencies: A planning and response guide for pharmacy professionals, 1e. Washington, DC: American Pharmacists Association; 2021.

PUBLISHED INTERVIEWS

- 1. Bonner L. How often do patients see their pharmacist? New study gives insight. PharmacyToday. 2020;26(10):41. https://doi.org/10.1016/j.ptdy.2020.10.021.
- 2. PBA Health. Over-the-counter hearing aids: Everything pharmacies need to know. Elements. March 17, 2022. https://www.pbahealth.com/elements/over-the-counter-hearing-aids-retail_pharmacy.
- 3. Chan C. OTC hearing aids may soon be available at pharmacies. PharmacyToday. 2022;28(6):24. https://doi.org/10.1016/j.ptdy.2022.05.008.
- 4. Linville C. You heard that right! America's Pharmacist. August 2022. https://digitaleditions.sheridan.com/publication/?m=22640&i=753784&view=contentsBrowser &fbclid=IwAR3Xk9AIQSRQgP95XzNQbMzeyXIA4iduCS4a&ver=html5 (accessed 2022 September 30).

ABSTRACTS AND POSTERS

Mentored students denoted by *.

- 1. *Chieffo N, *Leong A, *Stuck E, Mormer E, **Berenbrok LA**. Opportunities for interprofessional collaboration between pharmacists and hearing professionals in Pennsylvania: A descriptive geographic information system study. 2022 Midyear Clinical Meeting & Exhibition. Las Vegas, NV. December 2022.
- 2. Coley KC, **Berenbrok LA**, Gessler C, Kirisci L, Ghaswalla P, Herrera-Restrepo O. Hepatitis B vaccination initiation in US adults with diabetes: The experience of a pharmacist-led motivational interviewing program. World Hepatitis Summit 2022. Virtual event.
- 3. Guo J, Hernandez I, Tang A, Essien U, **Berenbrok L**. Income disparities in driving distance to health care infrastructure. AcademyHealth 2022 Annual Research Meeting. Washington, DC. June 2022.
- 4. Huang W, Hernandez I, Tang S, Gabriel N, Sharareh N, Patel N, Berenbrok L, Guo J. Disparities in the association between proximity to community healthcare facilities and COVID-19 related mortality across US counties in the COVID-19-vaccine era. AcademyHealth 2022 Annual Research Meeting. Washington, DC. June 2022.
- 5. Huang W, Hernandez I, Tang S, Gabriel N, Sharareh N, Patel N, Berenbrok L, Guo J. Rural-Urban Disparities in COVID-19 related mortality across US counties by racial and ethnic composition. AcademyHealth 2022 Annual Research Meeting. Washington, DC. June 2022.
- 6. Hernandez I, **Berenbrok L**, He M, Li Y, Wouters O. Association between treatment costs and research and development investments for new drugs approved from 2009 to 2018. AcademyHealth 2022 Annual Research Meeting. Washington, DC. June 2022.
- 7. Hernandez I, Tang S, Gabriel N, Guo J, Sharareh N, Patel N, Dickson S, **Berenbrok L**. Access to community pharmacies: A nation-wide geographic information systems analysis. Academy Health 2022 Annual Research Meeting. Washington, DC. June 2022.
- 8. Riden KA, **Berenbrok LA**, Coons JC, Empey PE. Multidisciplinary clinician preparedness for pharmacogenomic results in the EHRs at a large health-system. CPIC-PGRN. Aurora, CO. May 2022.
- 9. **Berenbrok LA**, Tang S, Gabriel N, Guo J, Sharareh N, Patel N, Dickson S, Hernandez I. Access to community pharmacies: A nation-wide geographic information systems analysis. American Pharmacists Association Annual Meeting and Exposition. San Antonio, TX. March 2022.
- 10. AACP Pharmacogenomics SIG Committee for PGx Cases. Development of an open-access pharmacogenomics patient case repository for pharmacy educators. 2021 AACP Annual Meeting. July 17-22, 2021.
- 11. *Snader L, *Suh YH, **Berenbrok LA**, Wong A, Kane-Gill S. Identification of facilitators and barriers to clinicians' response to receiving clinical decision support alerts in the intensive care unit (ICU). 2021 ACCP Virtual Poster Symposium. May 25 and 26, 2021.
- 12. Guo J, Dickson SD, **Berenbrok LA**, Tang S, Essien UR, Coley K, Hernandez I. Racial disparities in access to potential COVID-19 vaccine administration facilities across US states: A geographic information systems analysis. Oral Presentation at 2021 Academy Health Annual Research Meeting (online meeting). June 15, 2021.
- 13. Munro C, Berman N, **Berenbrok LA**, Empey PE, Massart M. Two genetic counselors walk into a primary care clinic. ACMG Annual Clinical Genetics Meeting. April 2021.
- 14. Massart M, **Berenbrok LA**, Berman N, Munro C, Empey PE. Novel clinical model to deliver genetic services from a multidisciplinary primary care team. ACMG Annual Clinical Genetics Meeting. April 2021.
- 15. Mormer E, Berenbrok L, Cremeans A, Ciemniecki L. Collaboration with pharmacists on OTC

- hearing help. Annual Convention of the American Speech-Language Association, San Diego, CA. November 2020. (Convention cancelled.)
- 16. *Mercer J, *Kim J, **Berenbrok L**. Innovative experiential learning and clinical skills preparing APPE and practice-ready student pharmacists. FIP World Congress, Seville, Spain. September 2020. (Conference cancelled, poster available online September 2020)
- 17. *Ciemniecki L, **Berenbrok LA**, Cremeans A, Albright R, Mormer E. A Delphi method to establish pharmacist competencies for OTC hearing aid knowledge and referral. AAA2020 + HearTech Expo, New Orleans, LA. April 2020. (Conference cancelled, presentation available online September 2020)
- 18. *Sprando AC, Coley KC, **Berenbrok LA**, Carroll JC. Evaluation of brief messages to inform a meningococcal group B vaccine multimedia educational campaign on a university campus. American Pharmacists Association Annual Meeting and Exposition. National Harbor, MD. March 2020. (Conference cancelled, virtual presentation May 2020)
- 19. *White A, *Murray K, Antinopoulos B, **Berenbrok L**, Carroll JC, McGivney MS, Coley KC. A formative evaluation of a pharmacist-led adherence intervention at a regional supermarket pharmacy call center for employees with obstructive lung disease. American Pharmacists Association Annual Meeting and Exposition. National Harbor, MD. March 2020. (Conference cancelled, virtual presentation May 2020)
- 20. Murphy E, Firm A, **Berenbrok L**, Grieve L, Beck D. The merged pharmacology classroom: A formative and interdisciplinary approach to physician assistant education. Canadian Association of Physician Assistants 2019 Annual Conference. Niagara Falls, ON, Canada. October 2019.
- 21. Pruskowski J, Ruby C, **Berenbrok LA**, Seybert A, Handler S. MeRIT: Characterizing medication related rehospitalizations in palliative care patients: An exploratory study. 2019 American College of Clinical Pharmacy Annual Meeting. New York, NY. October 2019.
- 22. Adams SM, Stevenson JM, Coons JC, **Berenbrok LA**, Empey PE. Dissemination of pharmacogenomics education through the Test2Learn platform. Clinical Pharmacogenetics Implementation Consortium Meeting. Memphis, TN. June 2019.
- 23. *Jordan JL, *Snyder DE, *Mancuso TG, **Berenbrok LA**. Understanding employee preferences for an employer-sponsored comprehensive medication management benefit. American Pharmacists Association Annual Meeting and Exposition. Seattle, WA. March 2019.
- 24. *Barthen CL, *Writer RL, Antinopoulos BC, Uber R, Stevenson JM, **Berenbrok LA**. An implementation plan for integrating pharmacogenomic data at a regional supermarket community pharmacy. American Pharmacists Association Annual Meeting and Exposition. Seattle, WA. March 2019.
- 25. Lapping AM, **Berenbrok LA**. Successful implementation strategies for community pharmacy-based National Diabetes Prevention Programs (NDPP) in Pennsylvania. American Pharmacists Association Annual Meeting and Exposition. Seattle, WA. March 2019.
- 26. Adams SM, Coons JC, Stevenson JM, **Berenbrok LA**, Empey PE. Threading pharmacogenomics education throughout the core PharmD curriculum: 4 years of experience using personal genomic testing in the classroom. American Association of Colleges of Pharmacy Annual Meeting. Boston, MA. July 2018.
- 27. **Berenbrok LA**, Renner H, McGivney M, Coley KC. A value-based model for incentivizing adult immunizations at community pharmacies. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 28. Buck T, **Berenbrok L**, Coley K, Renner H, McGivney M, Firm A. Evaluating patients' perceived value and experience with a comprehensive mediation review in an independent community

- pharmacy. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 29. Cho K, Coley K, **Berenbrok L**, McGivney M, McGrath S, Hopper A, Gilmore L, McCullough J. Identifying key factors associated with high-achieving chain pharmacy teams delivering quality care for patients in medically underserved areas. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 30. Doong K, **Berenbrok L**, Coley K, McGivney M, Antinopoulos B, Moore C, Richardson R. Evaluating the early implementation of pharmacist-provided patient care services of a statewide pharmacy network within a regional grocery chain pharmacy. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 31. *Gabriel C, *Valentino J, Antinopoulos B, **Berenbrok L**, McGivney M. Evaluation of a patient-centered technician training program to comprehensively engage patients in clinical services in a grocery store pharmacy chain. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 32. Gessler C, Richardson R, DeJames J, Kovac J, Moore C, Hall D, **Berenbrok L**, Coley K. Pandemic vaccine strategic planning at a regional grocery store chain pharmacy. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 33. *Groves AS, **Berenbrok LA**. Student led integration of medication disposal envelopes into pharmaceutical care to older adults. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 34. *Hake K, *Cothrel S, *Nesmith D, *Blazewick A, Rudzik K, McGivney M, Berenbrok L, Carroll J, Coley K, Kozminski M, Antinopoulos B. Using rapid-cycle problem solving during initial implementation of patient care services within independent community pharmacies participating in a statewide pharmacy care network. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 35. *Nichols D, McGivney M, Abraham O, Coley KC, **Berenbrok LA**. Empowering community pharmacy technicians to improve inventory and drug product management. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 36. *Pagliaro A, *Sutt A, Renner H, **Berenbrok L**, McGivney M, Coley K, Wilson E. Facilitating pandemic vaccination implementation in grocery store chain community pharmacies. American Pharmacists Association Annual Meeting and Exposition. Nashville, TN. March 2018.
- 37. *Chatellier K, *Ioannou K, *Schwenk A, **Berenbrok LA**. The impact of a longitudinal geriatric introductory pharmacy practice experience on first and second year student pharmacist development. ASCP Annual Meeting & Exhibition. Kissimmee, FL. November 2017.
- 38. Zhu J, Adams SM, Stevenson J, Coons J, **Berenbrok LA**, Grieve L, Empey E. Development of a micro-credentialing framework for pharmacogenomics education. AACP Annual Meeting. Nashville, TN. July 2017.
- 39. Pater KS, Schonder K, **Berenbrok L**, Grieve LB, Skledar SJ, Smith RB, Howrie DL. The cocurriculum – providing structure for student achievement. AACP Annual Meeting. Nashville, TN. July 2017.
- 40. *Pinto M, Berenbrok L, Hernandez I. Patient adherence to antidepressant medications and its relationship to adherence to oral diabetes medications. Pharmacy Quality Alliance Annual Meeting. Baltimore, MD. May 2017.
- 41. Hoang K, Renner H, **Berenbrok L**, Coley K, McGivney M, Carroll J, Harriman McGrath S, Gilmore L. Identifying how patients with diabetes prefer to be engaged in a community

- pharmacy-based diabetes self-management education program. American Pharmacists Association Annual Meeting and Exposition. San Francisco, CA. March 2017.
- 42. Kovac J, **Berenbrok L**, Coley K, Renner H, McGivney M, Jordan C, Richardson R. Eliciting successful patient engagement methods by pharmacists and technicians in a regional grocery chain pharmacy. American Pharmacists Association Annual Meeting and Exposition. San Francisco, CA. March 2017.
- 43. *Wilkinson H, *Nichols D, **Berenbrok L**, Carroll J, McGivney M. Examining the role of Pennsylvania community pharmacists in combating the opioid epidemic. American Pharmacists Association Annual Meeting and Exposition. San Francisco, CA. March 2017.
- 44. Hart K, **Berenbrok L**, McGrath S, Coley K, Empey P, McGivney M. Improving pharmacists' ability to engage patients in pharmacogenomics testing within a chain community pharmacy. American Pharmacists Association Annual Meeting and Exposition. Baltimore, MD. March 2016.
- 45. Nierste N, **Berenbrok L**, Smith Cooney S, McCormick K, Coley K, McGivney M. Use of a decision aid to assist pharmacists in providing targeted interventions to overcome patient barriers to medication adherence. American Pharmacists Association Annual Meeting and Exposition. Baltimore, MD. March 2016.
- 46. *Steltenpohl E, *Barry B, **Berenbrok L**, Coley K, Olenak J, McGivney M. An evaluation of successful point-of-care testing implementation by community pharmacists in Pennsylvania. American Pharmacists Association Annual Meeting and Exposition. Baltimore, MD. March 2016.
- 47. **Berenbrok LA.** SilverScripts: Student pharmacists engaging elderly patients in the community. Academically Based Community Engagement: An Idea Exchange. University of Pittsburgh. September 2015.
- 48. Garmong GE, Bacci JL, **Berenbrok LA**, McGrath SH, Ossman KL, Odukoya O, McGivney MS. Impact of pharmacist coaching on targeted medication review completion rates in a traditional chain community pharmacy. American Pharmacists Association Annual Meeting and Exposition. San Diego, CA. March 2015.
- 49. *Henderson C, Somma McGivney M, Bacci J, **Berenbrok L**. Evaluating and improving a pharmacy student-led community outreach program at local senior centers. American Pharmacists Association Annual Meeting and Exposition. San Diego, CA. March 2015.
- 50. Jordan CA, McGivney MS, Bacci JL, Berenbrok LA, Richardson R, DeJames J, Pringle JL. Impact of brief intervention on patient medication adherence and customer loyalty in a grocery store chain pharmacy. American Pharmacists Association Annual Meeting and Exposition. San Diego, CA. March 2015.
- 51. *Gazda N, **Berenbrok LA**, Ferreri S. Retrospective analysis on the impact of an integrated MTM program on return on investment (ROI) to the pharmacy. AMCP 2014 Nexus. Boston, MA. October 2014.
- 52. **Berenbrok L**, Michaels N, Lee J, Petri D, Marciniak M, Ferreri S. The influence of community pharmacists on star ratings: focus on diabetes medication adherence. American Pharmacists Association Annual Meeting and Exposition. Orlando, FL. March 2014.
- 53. **Berenbrok L**, Bacci J, McCartney E, Menard A, McGivney M, McGrath S. Students as catalysts for change: implementation and expansion of medication therapy management services within a community chain pharmacy. American Pharmacists Association Annual Meeting and Exposition. Los Angeles, CA. March 2013.

PROFESSIONAL ACTIVITIES

PHARMD STUDENT TEACHING

University of Pittsburgh School of Pharmacy

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2014-2019	Faculty research mentor, PHARM 5819 Community Leadership, Innovation, & Practice, 1 credit summer term, CLIP Area of Concentration students
2014-2019	Course co-coordinator, PHARM 5110 Pharmacists Patient Care 1, 3 credits fall term, first year students
2014-present	Course coordinator, PHARM 5212 Community Pharmacist Practice 1, 1 credit fall term, second year students
2015	Course faculty, PHARM 5115 Anatomy and Physiology 2, 3 credits spring term, second year students, <i>Electrophysiology</i>
2015-2017	Course co-coordinator, PHARM 5213 Community Pharmacist Practice 2, 1 credit spring term, second year students
2015-present	Course faculty, PHARM 5111 Pharmacists Patient Care 2, 3 credit spring term, first year students
2016-present	Course co-coordinator, PHARM 5220 Case Conference Series 3, 3 credits fall term, second year students
2017-present	Course co-coordinator, PHARM 5227 Case Conference Series 4, 3 credits spring term, second year students
2017-present	Faculty preceptor, PHARM 540X Advanced Pharmacy Practice Experience, 5-week rotation, fourth year students, <i>Academia Elective and Ambulatory Core</i>
2017-2021	Faculty, PHARM 5324 Case Conference Series 5, 1 credit fall term, third year students, APhA Pharmacy-Based Immunization Delivery
2018-present	Faculty, PHARM 5113 Community Health 2, 1 credit spring term, first year students, Motivational Interviewing
2018-present	Faculty, PHARM 5121 Case Conference Series 2, 1 credit spring term, first year students, Motivational Interviewing Skills with Standardized Patients
2018	Faculty, PHARM 5311 Safe Medication Use and Pharmacoeconomics, 2 credits spring term, third year students, <i>Principles & Practice of Medication Safety: Community Setting Applications</i>
2018-present	Faculty, PHARM 5213 Community Pharmacist Practice 2, 1 credit spring term, second year students, <i>Medication Therapy Management, Point-of-Care Testing</i>
2019	Faculty, PHARM 5122 Case Conference Series 1, 1 credit fall, first year students

PHARMACY RESIDENT TEACHING

University of Pittsburgh School of Pharmacy PGY-1 Community-based Residency

2014-2015	Residency Preceptor, University of Pittsburgh PGY1 Community Pharmacy Residency Brandon Antinopoulos, PharmD; Gale Garmong, PharmD; Christine Jordan, PharmD; Kyle McCormick, PharmD
2015-2016	Residency Coordinator, University of Pittsburgh PGY1 Community Pharmacy Residency Kristin Hart, PharmD; Nicole (Nierste) Jasperson, PharmD
2015-2019	Program Coordinator, Training Outpatient Pharmacists Techniques in Evidence-based Research (TOP TIER), A community pharmacy residency research course PGY1 Community-based Pharmacy Residents in Pennsylvania
2016-2017	Residency Coordinator, University of Pittsburgh PGY1 Community Pharmacy Residency Karen Hoang, PharmD; Jonathan Kovac, PharmD
2017-2018	Residency Coordinator, University of Pittsburgh PGY1 Community-based Pharmacy Residency Katherine Cho, PharmD; Katie Doong, PharmD
2018-2019	Residency Coordinator, University of Pittsburgh PGY1 Community-based Pharmacy Residency Amber Lapping, PharmD; Sneha Mitra, PharmD; Catherine Phi, PharmD
2019-2020	Teaching Mentor, University of Pittsburgh PGY1 Community-based Pharmacy Residency Carly Gabriel, PharmD; Kelsey Hake, PharmD; Evan Turco, PharmD
2021-present	Preceptor, University of Pittsburgh/UPMC PGY2 Ambulatory Care Shadyside, Primary Care Precision Medicine Longitudinal Rotation and Academia Rotation Carly Gabriel, PharmD; Caroline Crossey, PharmD
2021-present	Coordinator, University of Pittsburgh/UPMC Ambulatory Care Residency Research Group

PHARMACY FELLOW TEACHING

University of Pittsburgh School of Pharmacy

2016-2018	Fellowship Committee, Research Fellowship in Community Care Hannah M. Renner, PharmD, MPH
2018-2019	Fellowship Committee, Community Pharmacy Practice Development Fellow <i>Katie Doong, PharmD</i>
2018-2020	Research and Teaching Mentor, Clinical Pharmacogenomics Fellow Ryley Uber, PharmD
2019-2021	Teaching Mentor, Community Pharmacy Practice Development Fellow Sophia Cothrel, PharmD

2020-2022 Research Mentor and Practice Preceptor, Clinical Pharmacogenomics Fellow

Katherine Riden, PharmD

2021-2023 Research Mentor and Practice Preceptor, Clinical Pharmacogenomics Fellow

Katherine Robinson, PharmD

OTHER TEACHING

University of Pittsburgh School of Medicine

Fall 2018 Faculty facilitator, MS-1: Introduction to Medical Interviewing

University of Pittsburgh School of Social Work

Fall 2018 Guest lecturer, SOCWRK 1000 Introduction to Social Work

2020-2021 Guest lecturer, SWBEH 2077 Human Behavior: Adult Development and Aging

University of Pittsburgh School of Health and Rehabilitation Sciences

Fall 2018 Guest lecturer, PAS 2304 Pharmacology 2

Fall 2019 Guest lecturer, HRS 1095 Community Connector Course

Washington & Jefferson College

Spring 2021 Guest lecturer, HIS 275 Race, Medicine, and Society

University of Pittsburgh College of General Studies, Osher Lifelong Learning Institute (OLLI)

Spring 2022 Faculty, Genomics and the Future of Health Care: A Precision Medicine Primer

University of Pittsburgh School of Public Health

Spring 2022 Guest lecturer, HUGEN 2036 Genetic Counseling Internship

CURRICULUM DEVELOPMENT

National Association of Chain Drug Stores and the University of Pittsburgh School of Pharmacy

2016-present Test2Learn™ Community-Based Pharmacogenomics Certificate Program

The Test2LearnTM Community-based Pharmacogenomics Certificate Program uses highly-interactive exercises using real personal or aggregated genetic data to train community pharmacists and other learners to decipher and translate genetic tests, make appropriate recommendations for the patient, and counsel and collaborate with prescribers to help optimize patient medication regimens.

University of Pittsburgh School of Pharmacy and School of Health and Rehabilitation Sciences

2019-present CHAMP: Championing Hearing Using Accessible Medication Experts at the Community Pharmacy

This highly interactive, online program teaches pharmacists to safely and effectively help patients seeking hearing aids at the community pharmacy by addressing professional competencies created and agreed upon by professional pharmacy and audiology organizations, hearing aid industry experts, and persons with hearing loss.

MENTORED GRANT FUNDED RESEARCH

Pennsylvania Pharmacists	OTC hearing aids in the	Faculty research mentor	2020-2022	\$1,000
Association Educational Foundation	community pharmacy	PI: Elizabeth Midey		
Pennsylvania Pharmacists Association Educational Foundation	Successful implementation strategies for community pharmacy-based Nation Diabetes Prevention Programs (NDPP) in Pennsylvania	Faculty research mentor PI: Amber Lapping, PharmD	2018-2019	\$600
Pennsylvania Pharmacists Association Educational Foundation	Impact of a medication adherence packaging service provided by an independent community pharmacy on patient-centered outcomes	Faculty research mentor PI: Catherine Phi, PharmD	2018-2019	\$1,000
American Pharmacists Association Foundation	Evaluating the early implementation of pharmacist-provided patient care services of a statewide pharmacy network within a regional grocery chain pharmacy	Faculty research mentor PI: Katie Doong, PharmD	2017-2018	\$1,000
American Pharmacists Association Foundation	Identifying key factors associated with high- achieving chain pharmacy teams delivering quality are for patients in medically underserved areas	Faculty research mentor PI: Katherine Cho, PharmD	2017-2018	\$1,000
American Pharmacists Association Foundation	Eliciting successful patient engagement methods by pharmacists and technicians in a regional grocery chain pharmacy	Faculty research mentor PI: Jonathan Kovac, PharmD	2016-2017	\$1,000
Pennsylvania Pharmacists Association Educational Foundation	Patient preference for engagement in a community pharmacy-based diabetes selfmanagement education program	Faculty research mentor PI: Karen Hoang, PharmD	2016-2017	\$400

MENTORING

University of North Carolina Eshelman School of Pharmacy

2013-2014 Honors Program, Research Mentor
Nicholas Gazda, PharmD Class of 2016

University of Pittsburgh School of Pharmacy

2014-2015 Area of Concentration in Pharmacy Business Administration, Faculty Advisor Reina Fink, PharmD Class of 2015

2016-2017 PQA-CVS Health Foundation Scholars, Research Mentor Michael Pinto, PharmD Class of 2019

University of Pittsburgh Office of Undergraduate Research

2020-2021 ARTSC 0120 First Experiences in Research, Faculty Research Mentor

Elizabeth Midey, PharmD Class of 2026

ARTSC 0121 Continuing Experiences in Research, Faculty Research Mentor

Elizabeth Midey, PharmD Class of 2026

ARTSC 0120 First Experiences in Research, Faculty Research Mentor

Audrey Leong

University of Pittsburgh Graduate School of Public Health

2019-2020 A Case Study: The Implementation of the Meds to Beds Program On the

Gynecology/Oncology Unit at a UPMC Hospital, Masters Essay Reader

Maira Undavalli, BS

University of Pittsburgh Institute for Clinical Research Education

2021 Master Thesis Committee – Innovation Specialty Track

Jennifer Pruskowski, PharmD, BCPS, BCGP, CPE

CHAPTER ADVISING

University of Pittsburgh School of Pharmacy

2015-2017 Pennsylvania Pharmacists Association, Faculty Advisor

2016-2021 American Pharmacists Association-Academy of Student Pharmacists, Faculty Advisor

2018-present Kappa Psi Pharmaceutical Fraternity, Inc., Beta Kappa Chapter Faculty Advisor and

Grand Council Deputy

2021-present Phi Lambda Sigma Pharmacy Leadership Society, Beta Delta Chapter Faculty Advisor

University of Pittsburgh Schools of the Health Sciences

2015-present Interprofessional Student Board affiliated with Primary Care Progress at Pitt, Faculty

Advisor

STUDENT ADVISING

2015-2018	Career Learning and Advising Group, Faculty Advisor Melanie Beers, Brian Keaton, Julie Mandel, Abby Meyer, Kaela-Marie Walsh, and Bradley Wong, PharmD Class of 2018
2015-2019	Career Learning and Advising Group, Faculty Advisor Kristel Chatellier, Amanda Colangelo, Richard (Jay) Dong, Kelsey Hake, Ashley Kamp, and Michael Pinto, PharmD Class of 2019
2016-2020	Career Learning and Advising Group, Faculty Advisor Rebecca (Funto) Babalola, Victoria Blake, Kelly Jenniches, Cameron Karnick, Divya Patel, and Katelyn Rudzik, PharmD Class of 2020
2017-2021	Career Learning and Advising Group, Faculty Advisor Jose Barro, Jennifer Dolphin, Madeline Mitchell, Hunter Vermilya, Valerie Wan, and Jacob Winschel, PharmD Class of 2021
2018-2022	Career Learning and Advising Group, Faculty Advisor Alexa Casanova, Bunly Heng, Yianni Leventopoulos, Ethan Markowski, Grace Rong, Roisin Sabol, PharmD Class of 2022
2019-present	Professional Development Advising Group, Professional Development Advisor Janiah Abraham, Alexandra Adams, Seung Won Baek, Brandon Stephens, Jing Ling Zheng, PharmD Class of 2023
2020-present	Professional Development Advising Group, Professional Development Advisor Douglas Altavilla, Benjamin Davic, Megan Hutar, Sharon Jayamohan, Katherine McGraw, Molly Stockwell, PharmD Class of 2024
2021-present	Professional Development Advising Group, Professional Development Advisor Emmanuel Ampofo, Lucas Mendoza, Anna Monson, Elizabeth Midey, Brittany Solosky, Kayleigh Walker, PharmD Class of 2025
2022-present	Professional Development Advising Group, Professional Development Advisor Abigail Bakus, Shawn Carroll, Pranjal Das, Olivia Frey, Brinn Mancuso, Isaac May

RESEARCH

GRANTS NOT FUNDED						
PhRMA Foundation	Assessing patient-centered value associated with use of medication adherence packaging services (MAPS) in patients with multiple chronic diseases	Co-investigator	2020	\$99,906		
Community Pharmacy Foundation	RxDataBank: An online database of curated evidence, interactive graphics, and data visualizations devoted to advancing community pharmacy practice with data	Primary Investigator	2021	\$39,916		
Community Pharmacy Foundation	Creation of a national registry of community pharmacy professionals for qualitative and survey-based research	Primary Investigator	2022	\$40,000		
Community Pharmacy Foundation	An OTC Hearing Aids Implementation Playbook for Community Pharmacists	Primary Investigator	2022	\$40,000		
Center for Social and Urban Research at the University of Pittsburgh	Expanding Pharmacist Provision of Contraceptive Services in Pennsylvania	Primary Investigator	2022	\$20,000		
University of Pittsburgh Clinical and Translational Science Institute's Research Initiative For Special Populations Pilot Award	Utility of Pharmacogenomic Testing in Hospice	Primary Investigator	2022	\$25,000		

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West Health Policy Center	Application of an innovation- based domestic reference scheme for the pricing of drugs at launch	Co-Primary Investigator	2020 30%	\$55,761
West Health Policy Center	Access to community pharmacies providing immunization services:	Co-Primary Investigator	2020 26%	\$59,905
	Implications for administration of the COVID- 19 vaccine			
American Academy of Audiology, Outreach Grant	EAR-SCANS refrigerator magnets	Co-project Lead	2020- 2022	\$1,000
Premier Healthcare Solutions, Inc.	The impact of a multimedia educational campaign on meningococcal group B vaccination rates in a university student population	Primary Investigator	2019- 2022	\$250,000
National Association of Chain Drug Stores	Implementing a hepatitis B vaccination program at a regional chain community pharmacy	Co-Primary Investigator	2019-2021	\$350,000
National	Test2Learn™: Community	Co-Investigator/	2016-2021	\$124,865
Association of Chain Drug Stores	pharmacists pharmacogenomics education certificate program	Program developer	2%	
University of Pittsburgh, Advisory Council on Instructional Excellence	Championing Hearing using Accessible Medication Experts at the Community Pharmacy (CHAMP): An over-the- counter hearing aid certificate program for student pharmacists	Co-Director	2019- 2020	\$19,500
University of Pittsburgh, Advisory Council on Instructional Excellence	The merged pharmacology classroom: A formative and interdisciplinary approach to physician assistant education	Co-Investigator	2018-2019	\$5,530

National Center	1	Co-Investigator	2018	\$100,000
for Interprofessional Practice and Education	Exchange Program (iPEEP)		2.5%	(includes 50% cost- share match from the University of Pittsburgh School of Nursing)
Substance Abuse	Pittsburgh SBIRT: Training	ssions students to Directors	2016-2019	\$686,598
and Mental Health Services Administration	health professions students to conduct SBIRT		5%	
TI-026423-03				
National Association of Chain Drug Stores	Expanding the role of pharmacy technicians and workforce impact	Co-Investigator	2017-2018 3%	\$49,461
National Association of Chain Drug Stores and Centers for Disease Control and Prevention	Improving vaccination rates through community partnerships and technology	Co-Investigator	2016-2018 8%	\$299,243

OTHER RESEARCH RELATED ACTIVITIES

2015-2019	American Pharmacists Association (APhA) Contributed Papers Program	Abstract Reviewer/ Poster Judge
2016-present	Journal of the America Pharmacists Association (JAPhA)	Peer Reviewer
2017-present	The Pennsylvania Pharmacist	Peer Reviewer
2018-2021	Journal of the American Pharmacists Association (JAPhA)	Editorial Advisory Board
2018-present	Currents in Pharmacy Teaching and Learning	Peer Reviewer
2019-present	Journal of Pharmacy Practice	Peer Reviewer
October 2019	Pharmacogenomics	Peer Reviewer
October 2019	Vaccine	Peer Reviewer
January 2020	Research in Social and Administrative Pharmacy	Peer Reviewer
April 2021	Pharmacogenomics and Personalized Medicine	Peer Reviewer
April 2021	Journal of the American College of Clinical Pharmacy	Peer Reviewer
July 2022	American Journal of Health-System Pharmacy	Peer Reviewer

CURRENT RESEARCH INTERESTS

Community pharmacy services, comprehensive medication management, employee health and wellness, entrustable professional activities, geographic information system mapping, health disparities, immunizations, interprofessional education, over-the-counter hearing aids, pharmacogenomics, point-of-care testing

INVITED SEMINARS AND LECTURESHIPS

LOCAL PRESENTATIONS

November 2014, Expired Meds, KDKA-TV CBS Pittsburgh Recorded interview with Susan Koeppen

May 2015, Partners for Healthy Living, KDKA-TV CBS Pittsburgh Recorded promotion for the Birmingham Free Clinic

February 2016, Dietary and herbal supplements, Urban League of Greater Pittsburgh, Pittsburgh, PA

May 2016, Quality measures in community pharmacy practice: The new frontier, University of Pittsburgh School of Pharmacy Spring Continuing Education Seminar: Topics in Pharmacy Practice and Education, Pittsburgh, PA

October 2017, Safe travels: Recommended vaccinations before traveling abroad, University of Pittsburgh School of Pharmacy Fall Continuing Education Seminar: Updates and Emerging Topics in Pharmacy Practice, Pittsburgh, PA

September 2018, Better together: How nurses and pharmacists are working together to advance patient care, PPG Nurses Seminar, Pittsburgh, PA

October 2019, Entrustable professional activities: A new assessment framework for experiential learning, University of Pittsburgh School of Pharmacy Fall 2019 Preceptor Continuing Education Seminar: Updates in Pharmacy Practice and Education, Pittsburgh, PA

April 2022, Clinical PGx services and education of healthcare practitioners, Achieving precision prescribing at Pitt/UPMC, presentation to Qatari Delegation, Pittsburgh, PA

May 2022, The Pharmacist's Role in Hearing Health Care, The Hearing Loss Association of America Pittsburgh Chapter, Pittsburgh, PA, online webinar

June 2022, Clinical applications of PGx in primary care, University of Pittsburgh School of Pharmacy Spring 202 2 Preceptor Continuing Education Seminar, Pittsburgh, PA, online continuing education

August 2022, OTC hearing aids: A new frontier for hearing healthcare, UPMC Health Plan CE Series, Pittsburgh, PA, online continuing education

REGIONAL PRESENTATIONS

February 2015, CMS Star Ratings: Utilizing MTM to boost your impact, Pennsylvania Pharmacists Association Mid-Year Conference, Harrisburg, PA

January 2016, Designer genes: Pharmacogenomic testing in your pharmacy practice, Pennsylvania Pharmacists Association Mid-Year Conference, Harrisburg, PA

September 2016, The star-spangled revolution: How community pharmacies can boost their quality measures, Pennsylvania Pharmacists Association Annual Conference, King of Prussia, PA

May 2018, Advancing pharmacy precepting with entrustable professional activities, University of Chicago at Illinois College of Pharmacy, Chicago, IL

January 2020, Getting ready for OTC hearing aids, Pennsylvania Pharmacists Association Mid-Year Conference, Harrisburg, PA

January 2020, Practice update: Point-of-Care testing by Pennsylvania pharmacists, Pennsylvania Pharmacists Association Mid-Year Conference, Harrisburg, PA

February 2020, Entrustable professional activities: Assessment perspectives for student pharmacists, Student National Pharmaceutical Association Region 1 and 2 Conference, Pittsburgh, PA

September 2022, OTC hearing aids: Are they right for you?, Value Drug Company, Pittsburgh, PA, online webinar

NATIONAL PRESENTATIONS

March 2018, Leveraging leadership in community-based pharmacy residency programs, American Pharmacists Association Annual Meeting and Exposition, Nashville, TN

March 2018, Students as catalysts for change: Innovation in interprofessional experiential education, American Pharmacists Association Annual Meeting and Exposition, Nashville, TN

May 2018, Improving adult immunization rates and registry reporting though healthcare collaborations, National Immunization Conference, Atlanta, GA

September 2018, Increasing adult vaccinations through community partnerships and technology, Public Health & Pharmacy Symposium: Adult Immunization & Preparedness at the Centers for Disease Control and Prevention, Atlanta, GA

March 2020, Preparing for OTC hearing aids: Are you ready?, American Pharmacists Association Annual Meeting and Exposition, National Harbor, MD (Conference cancelled, presentation available online May 2020)

April 2020, Embracing OTC hearing aids: Partnering with community pharmacists, AAA2020 + HearTech Expo, New Orleans, LA (Conference cancelled, presentation available online September 2020)

July 2020, EHR Go user group meeting, AACP 2020 Annual Meeting, Long Beach, CA. (Conference cancelled, presentation available online)

July 2020, Implementation strategies and leading practices for integrating substance use education within Doctor of Pharmacy curricula, AACP 2020 Annual Meeting, Long Beach, CA. (Conference cancelled, presentation available online)

October 2020, Collaborative care: Cardiovascular pharmacogenomics for the family medicine provider, AAFP Family Medicine Experience (FMX), Chicago, IL

November 2020, Pharmacogenomics: The who, what, and how it's done, PLUGS® (Patient-centered Laboratory Utilization Guidance Services) Virtual Summit 2020, Seattle, WA

December 2020, The pharmacist/genetic counselor collaboration in pharmacogenomics, American Association of Colleges of Pharmacy Pharmacogenomics SIG, online webinar

December 2021, PGx: Model implementations and resources to support the use of pharmacogenomics, National Council for Prescription Drug Programs, online webinar

March 2022, OTC hearing aids: Partnering with local audiologists, American Pharmacists Association Annual Meeting and Exposition, San Antonio, TX

March 2022, Embracing over-the-counter hearing aids: partnering with community pharmacists, American Academy of Audiology HearTECH Expo, St. Louis, MO

April 2022, Geographical access to pharmacies and OTC hearing aids, Mariner Project, University of Iowa College of Pharmacy, Iowa City, IA

June 2022, Disparities in distribution of COVID-19 vaccines across U.S. counties. Oral presentation at AcademyHealth 2022 Annual Research Meeting. Washington, DC. Hernandez I, Dickson S, Tang S, Gabriel N, Berenbrok J, Guo J.

September 2022, A better way to manage medications: CMM + Pharmacogenomic Testing, Updates in Precision Medicine: Pharmacogenomics and Pharmacovigilance, Orlando, Florida (conference postponed)

October 2022, Quick Consult: OTC hearing aids, NCPA Annual Convention 2022, Kansas City, MO

October 2022, Access to community pharmacies: A geographic information systems approach, U.S. Public Health Service Pharmacist Provider Status Workgroup, online webinar

INTERNATIONAL PRESENTATIONS

May 2017, The role of outpatient pharmacists in antimicrobial stewardship, Department of Pharmacy, Shanghai Changhai Hospital, Shanghai, China

June 2022, Implementing pharmacogenomics in primary care, Precision Medicine World Congress 2022. Santa Clara, Silicon Valley, CA.

SERVICE

UNIVERSITY OF PITTSBURGH, SCHOOL OF PHARMACY **Experiential Learning Committee** 2014-2022 PGY1 Community-based Pharmacy Residency (Coordinator) 2015-2019 ACPE Self-Study Committee on Experiential Learning 2015-2016 PharmD Admissions Committee 2015-2016 Co-curriculum Task Force 2016-2017 Code of Conduct Committee 2016-2019 Professional Development and Co-Curriculum Committee 2019-2021, 2022-present EPA Task Force (Chair) 2019-2020 Task Force on Interprofessional Education 2019 COVID-19 Working Group: Restarting the Student Experience (Co-Chair) 2020 Diversity and Inclusion in the Classroom Taskforce 2021 ACPE Rapid Review Taskforce - Standard 11 2021 **Doctor of Pharmacy Council** 2021-2025 Doctor of Pharmacy Curriculum Committee (Vice Chair) 2021-2023 Doctor of Pharmacy Curriculum Committee (Chair) 2023-2025

UNIVERSITY OF PITTSBURGH

Pittsburgh Campus Flu Shot Clinics

Pharmacist Immunizer 2015-2019

Medical Advisory Committee

Appointed At-large Faculty Representative 2016-present

University Senate Benefits & Welfare Committee

Elected Faculty Representative 2017-present
Elected Chair 2019-2021
Chancellor's Ad Hoc Committee on Health and Well-being 2019-2021
University Senate Faculty Assembly 2019-2021
Pitt CoVAX COVID-19 Vaccination Clinics 2021

Moving Expenses/Household Goods - Policy Committee 2021-2022

UPMC

Matilda H. Theiss Health Center, Pittsburgh, PA

Pharmacist 2018-2019

LOCAL/COMMUNITY

Birmingham Free Clinic, Pittsburgh, PA

Pharmacist 2014-2017

Allegheny County Medical Reserve Corps, Pittsburgh, PA

N95 Respirator Fit Testing2020COVID-19 Immunizer2021

REGIONAL

Pennsylvania Pharmacists Association

PPCN Mentor Collaborative 2015-2020 Point-of-Care Testing Work Group 2020

Kappa Psi Pharmaceutical Fraternity, Inc.

Mountain East Province Awards Committee Chair2012-2016Mountain East Province Awards Committee2017-2018

Bidwell Training Center

Pharmacy Technician Program Advisory Committee March 2020-present

NATIONAL

2011
2011-2013
2013-2015
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