

**THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
ESHELMAN SCHOOL OF PHARMACY**

**CURRICULUM VITAE**

**PERSONAL:**

**NAME:** Megan C. Roberts

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2215 Kerr Hall  
Chapel Hill, NC 27599

**EDUCATION:**

<b>Degree</b>	<b>Institution &amp; Location</b>	<b>Dates</b>	<b>Major</b>
PhD	University of North Carolina Gillings School of Public Health, Chapel Hill NC	5/2011-5/2015	Health Policy and Management
	East Carolina University	2009-2010	NC High School Science Teaching Licensure
BS	Davidson College, Davidson, NC	8/2003-5/2007	Biology, Spanish

**PROFESSIONAL EXPERIENCE:**

**ACADEMIC EMPLOYMENT:**

<b>Institution or Firm</b>	<b>Position/Rank</b>	<b>Dates</b>
University of North Carolina, Eshelman School of Pharmacy	Director of Implementation Science in Precision Health and Society	2018-present
University of North Carolina, Eshelman School of Pharmacy	Assistant Professor	2018-present
University of North Carolina, Gillings School of Global Public Health	Adjunct Professor	2018-present
University of North Carolina, Lineberger Cancer Center	Cancer Control Education Program Pre-doctoral Fellow	2013-2015
University of North Carolina	Research/Teaching Assistant	8/2011-6/2015

**OTHER EMPLOYMENT:**

<b>Institution or Firm</b>	<b>Position/Rank</b>	<b>Dates</b>
National Cancer Institute	Cancer Prevention Fellow	2015-2018
Upward Bound	Biology and Earth/Environmental High School Teacher	2008
Southern High School	High School Science Teacher	2007-2009

**OTHER RESEARCH AFFILIATIONS:**

<b>Institution or Firm</b>	<b>Position/Rank</b>	<b>Dates</b>
National Cancer Institute	Special Volunteer	2018-2019

**HONORS:**

<b>Date</b>	<b>Honor</b>
2021	Academic Excellence Award- Service, UNC Eshelman School of Pharmacy
2021	Academic Excellence Award- Research, UNC Eshelman School of Pharmacy
2020	Academic Excellence Award- Research, UNC Eshelman School of Pharmacy
2019	Silver Award, Collaborative Group of Americas on Inherited Gastrointestinal Cancer
2019	Academic Excellence Award - Research, UNC Eshelman School of Pharmacy
2018	New Presenter Award, American Public Health Association, Genomics Forum
2017	Earl Stadtman Investigator Candidate
2017	Sallie Rosen Kaplan Postdoctoral Fellowship for Women Scientists
2017	NIH Fellows Award for Research Excellence
2017	NCI Cancer Prevention Fellowship Program Merit Award
2015	Jean G. Yates Outstanding Doctoral Student Award
2015	Delta Omega Honorary Society of Public Health
2011	GlaxoSmithKline Catalyst Award
2011	GlaxoSmithKline Catalyst Award
2011	Screening and Compound Profiling Monthly Highlight
2010	GlaxoSmithKline Bronze Award
2007	Bonner Community Service Award

**BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP (as applicable):****REFEREED PAPERS/ARTICLES****Published**

1. Check D, Baggett CD, Kim K, Oeffinger KC, **Roberts MC**, Roberts AW, Robinson T, Dinan MA. Predictors of Chronic Opioid Use: A Population-Level Analysis of North Carolina Cancer Survivors Using Multi-Payer Claims. (2021). *Journal of the National Cancer Institute*, 113(11), 1581-1589.
2. Dong O, **Roberts MC**, Wu R, Voils CI, Sperber N, Gavin KL, Bates J, Changreau-Coffinier C, Naglich M, Kelley MJ, Vassy ML, Sriram P, Heise CW, Rivas S, Ribeiro M,

- Chapman JL, Voora D. (2021) Evaluation of the Veterans Affairs Pharmacogenomic Testing for Veterans (PHASER) Clinical Program at Initial Test Sites. *Pharmacogenomics*, 22.17, 1121-1133.
3. Wand H, Lambert SA, Tamburro C, Iacocca MA, O'Sullivan JW, Sillari C, Kullo IJ, Rowley R, Brockman D, Venner E, McCarthy MI, Antoniou AC, Easton DF, Hegele RA, Khera AV, Chatterjee N, Kooperberg C, Edwards K, Vlessis K, Kinnear K, Danesh JN, Parkinson H, Ramos EM, **Roberts MC**, Ormond KE, Khoury MJ, Janssens ACJW, Goddard KAB, Kraft P, MacArthur JAL, Inouye M, Wojcik G. (2021). Improving reporting standards for polygenic scores in risk prediction studies. *Nature*, 591(7849), 211-219.
  4. **Roberts MC**, Spees LP, Freedman AN, Klein WMP, Prabhu Das I, Butler EN, de Moor JS. Oncologist-reported reasons for not ordering multi-marker tumor panels: results from a nationally representative survey. *Journal of Clinical Oncology Precision Medicine. Precision Oncology* 5 (2021): 701-709.
  5. Sperber NR, Dong OM, **Roberts MC**, Dexter P, Elsey AR, Ginsburg, GS, Horowitz CR, Johnson JA, Levy KD, Ong H, Peterson JF. 2021. Strategies to Integrate Genomic Medicine into Clinical Care: Evidence from the IGNITE Network. *Journal of personalized medicine*. 2021. 11(7): 647.
  6. Atkins KV, Srinivasan S, Spees LP, Turbitt E, Allen CG, **Roberts MC [senior author]**. Uptake of Genetic Testing for Lynch Syndrome among Cancer Patients in the National Health Interview Survey. *Cancer Prevention Research*.
  7. Levy S, Fentie AM, Buhlinger K, Clark SM, Korones DN, Ayer-Miller V, Alexander TB, Weitzman S, Bekele W, Broas J, Shad A, **Roberts MC**, Chargualaf M, Fufa D, Jailu T, Yimer M, Mustefa M, Said Gidey AM, Dinkiye AM, Adam H, Hailu D, Muluneh B. Ethiopian pediatric oncology registry progress report: documentation practice improvements at tertiary care centre in Addis Ababa, Ethiopia. *BMJ Open*.
  8. **Roberts MC**, Fohner AE, Landry L, Olstad DL, Smit A, Turbitt E, Allen CG. Advancing precision public health using genomic research: examples from the field and future research opportunities. *Genome Medicine*. 13, 97 (2021). <https://doi.org/10.1186/s13073-021-00911-0>
  9. Srinivasan S, Won NY, Dotson WD, Wright ST, **Roberts MC [senior author]**. Barriers and facilitators for cascade testing in genetic conditions: A systematic review. *European Journal of Human Genetics*.2020.
  10. Saylor KW, **Roberts MC [Senior author]**. Implementation Science Can Do Even More for Translational Ethics. *The American Journal of Bioethics* 20.4 (2020): 83-85.

11. Chen E, Neta G, **Roberts MC [Senior author]**. Complementary approaches to problem solving in healthcare and public health: implementation science and human-centered design. Under Review *Translational Behavioral Medicine*. 2020.
12. Srinivasan S, Hampel H, Leeman J, Patel A, Rahm AK, Reuland DS, **Roberts MC [senior author]** Stakeholder perspectives on overcoming barriers to cascade testing in Lynch syndrome: A qualitative study. *Cancer Prevention Research*. 2020.
13. Spees LS, **Roberts MC**, Freedman AN, Butler EN, Klein WMP, Prahbu Das I, de Moor JS. Involving Patients and Their Families in Deciding to Use Next Generation Sequencing: Results from a Nationally Representative Survey of U.S. Oncologists. *Patient Education and Counseling*: 2020;S0738-3991(20)301116-6. PMID: 32197930
14. Durham D; **Roberts MC**, Paterson C, Khan, Abraham L, Smith RA, Kerlikowske K, Miglioretti DL. Age at initiation of screening mammography by family history of breast cancer in the Breast Cancer Surveillance Consortium. *Cancer Causes & Control*.
15. Nooraje RY, Kwan BM, Cohn E, AuYoung M, **Roberts MC**, Adsul P, Shelton RC. Advancing Health Equity through CTSA program: Opportunities for interaction between Health Equity, Dissemination & Implementation and Translational Science. *Journal of Clinical and Translational Science*: 2020;1-8.
16. Allen C, **Roberts MC**, Guan Y. Exploring Predictors of Genetic Counseling and Testing for Hereditary Breast and Ovarian Cancer: Findings from the 2015 U.S. National Health Interview Survey *Journal of Personalized Medicine*:2019;9(2):26.
17. Allen CG, Fohner AE, Landry L, Paul JL, Smith SG, Turbitt E, **Roberts MC [senior author]**. Perspectives from Early Career Investigators Who Are "Staying in the Game" of Precision Public Health Research. *Am J Public Health*. 2019 Sep;109(9):1186-1187. doi: 10.2105/AJPH.2019.305199. PubMed PMID: 31390241.
18. Allen CG, Fohner AE, Landry L, Paul J, Smith SG, Turbitt E, **Roberts MC [senior author]**. Early career investigators and precision public health. *Lancet*. 2019 Aug 3;394(10196):382-383. doi: 10.1016/S0140-6736(19)30498-2. PubMed PMID: 31379330.
19. **Roberts MC**, Allen CG, Andersen BL. The FDA Authorization of Direct-to-Consumer Genetic Testing for Three BRCA1/2 Mutations: A Twitter Analysis of the Public's Response. *JAMIA Open*. (e-published 2019).
20. **Roberts MC**, Khoury MJ, Mensah GA. Perspective: The Clinical Use of Polygenic Risk Scores: Race, Ethnicity, and Health Disparities. *Ethn Dis*. 2019 Jul 18;29(3):513-516. doi: 10.18865/ed.29.3.513. eCollection 2019 Summer. PubMed PMID: 31367172; PubMed Central PMCID: PMC6645721.

21. Mensah GA, Jaquish C, Srinivas P, Papanicolaou GJ, Wei GS, Redmond N, **Roberts MC**, Nelson C, Aviles-Santa L, Puggal M, Green Parker MC, Minear MA, Barfield W, Fenton KN, Boyce CA, Engelgau MM, Khoury MJ. Emerging Concepts in Precision Medicine and Cardiovascular Diseases in Racial and Ethnic Minority Populations. *Circ Res*. 2019 Jun 21;125(1):7-13. doi: 10.1161/CIRCRESAHA.119.314970. Epub 2019 Jun 20. PubMed PMID: 31219738; PubMed Central PMCID: PMC6590684.
22. **Roberts MC**, Kurian AW, Petkov VI. Uptake of the 21-Gene Assay among Women with Node-Positive, Hormone Receptor-Positive Breast Cancer. *J Natl Compr Canc Netw*. 2019 Jun 1;17(6):662-668. doi: 10.6004/jnccn.2018.7266. PubMed PMID: 31200352.
23. Allen CG, McBride CM, Haardörfer R, **Roberts MC [senior author]**. Associations between Objective Television Exposure and Cancer Perceptions in a National Sample of Adults. *Cancer Control*. 2019 Jan-Dec;26(1):1073274819846603. doi: 10.1177/1073274819846603. PubMed PMID: 31131620; PubMed Central PMCID: PMC6537258.
24. **Roberts MC**, Clyne M, Kennedy AE, Chambers DA, Khoury MJ. The current state of Funded NIH grants in implementation science in genomic medicine: a portfolio Analysis. *Genet Med*. 2019 May;21(5):1218-1223. doi: 10.1038/gim.2017.180. Epub 2017 Oct 26. PubMed PMID: 31048814.
25. **Roberts MC**, Mensah GA, Khoury MJ. Leveraging Implementation Science to Address Health Disparities in Genomic Medicine: Examples from the Field. *Ethn Dis*. 2019 Feb 21;29(Suppl 1):187-192. doi: 10.18865/ed.29.S1.187. eCollection 2019. PubMed PMID: 30906168; PubMed Central PMCID: PMC6428174.
26. **Roberts MC**, Turbitt E, Klein WMP. Psychosocial, attitudinal, and demographic correlates of cancer-related germline genetic testing in the 2017 Health Information National Trends Survey. *J Community Genet*. 2019 Oct;10(4):453-459. doi: 10.1007/s12687-018-00405-4. Epub 2019 Feb 20. PubMed PMID: 30835082; PubMed Central PMCID: PMC6754484.
27. Turbitt E, **Roberts MC**, Taber JM, Waters EA, McNeel TS, Biesecker BB, Klein WMP. Genetic counseling, genetic testing, and risk perceptions for breast and colorectal cancer: Results from the 2015 National Health Interview Survey. *Prev Med*. 2019 Jun;123:12-19. doi: 10.1016/j.ypmed.2019.02.027. Epub 2019 Feb 25. PubMed PMID: 30817954.
28. **Roberts MC**, Krakow M, Wheldon CW, Silver MI. Differences in Family Health History Knowledge among Bisexual and Lesbian Women. *LGBT Health*. 2019 Apr;6(3):134-137. doi: 10.1089/lgbt.2018.0217. Epub 2019 Feb 21. PubMed PMID: 30789301; PubMed Central PMCID: PMC6477583.
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Aug;21(8):1735-1743. doi: 10.1038/s41436-018-0410-0. Epub 2018 Dec 20. PubMed PMID: 30568309; PubMed Central PMCID: PMC6586548.

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33. Wheldon CW, **Roberts MC**, Boehmer U. Differences in Coping with Breast Cancer Between Lesbian and Heterosexual Women: A Life Course Perspective. *J Womens Health (Larchmt)*. 2019 Aug;28(8):1023-1030. doi: 10.1089/jwh.2018.6940. Epub 2018 Aug 21. PubMed PMID: 30130140; PubMed Central PMCID: PMC6909767.
34. **Roberts MC**. Implementation Challenges for Risk-Stratified Screening in the Era of Precision Medicine. *JAMA Oncol*. 2018 Nov 1;4(11):1484-1485. doi:10.1001/jamaoncol.2018.1940. PubMed PMID: 29978191.
35. **Roberts MC**, Dotson WD, DeVore CS, Bednar EM, Bowen DJ, Ganiats TG, Green RF, Hurst GM, Philp AR, Ricker CN, Sturm AC, Trepanier AM, Williams JL, Zierhut HA, Wilemon KA, Hampel H. Delivery Of Cascade Screening For Hereditary Conditions: A Scoping Review Of The Literature. *Health Aff (Millwood)*. 2018 May;37(5):801-808. doi: 10.1377/hlthaff.2017.1630. Review. PubMed PMID: 29733730.
36. **Roberts MC**, Ferrer RA, Rendle KA, Kobrin SC, Taplin SH, Hesse BW, Klein WMP. Lay Beliefs About the Accuracy and Value of Cancer Screening. *Am J Prev Med*. 2018 May;54(5):699-703. doi: 10.1016/j.amepre.2018.02.002. Epub 2018 Mar 16. PubMed PMID: 29551327; PubMed Central PMCID: PMC5911403.
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47. **Roberts MC**, Kennedy AE, Chambers DA, Khoury MJ. The current state of implementation science in genomic medicine: opportunities for improvement. *Genet Med*. 2017 Aug;19(8):858-863. doi: 10.1038/gim.2016.210. Epub 2017 Jan 12. Review. PubMed PMID: 28079898; PubMed Central PMCID: PMC6312663.
48. **Roberts MC**, Bryson A, Weinberger M, Dusetzina SB, Dinan MA, Reeder-Hayes K, Wheeler SB. ONCOLOGISTS' BARRIERS AND FACILITATORS FOR ONCOTYPE DX USE: QUALITATIVE STUDY. *Int J Technol Assess Health Care*. 2016 Jan;32(5):355-361. doi:10.1017/S026646231600060X. Epub 2016 Dec 13. PubMed PMID: 27958190; PubMed Central PMCID: PMC6526532.
49. Marcus PM, Pashayan N, Church TR, Doria-Rose VP, Gould MK, Hubbard RA, Marrone M, Miglioretti DL, Pharoah PD, Pinsky PF, Rendle KA, Robbins HA, **Roberts MC**, Rolland B, Schiffman M, Tiro JA, Zauber AG, Winn DM, Khoury MJ. Population-Based Precision Cancer Screening: A Symposium on Evidence, Epidemiology, and Next Steps. *Cancer Epidemiol Biomarkers Prev*. 2016 Nov;25(11):1449-1455. Epub 2016 Aug 9. PubMed PMID: 27507769; PubMed Central PMCID: PMC5165650.
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55. **Roberts MC**, Dusetzina SB. Use and Costs for Tumor Gene Expression Profiling Panels in the Management of Breast Cancer From 2006 to 2012: Implications for Genomic Test Adoption Among Private Payers. *J Oncol Pract*. 2015 Jul;11(4):273-7. doi: 10.1200/JOP.2015.003624. Epub 2015 Jun 23. PubMed PMID: 26105668.
56. **Roberts MC**, Wheeler SB, Reeder-Hayes K. Racial/Ethnic and socioeconomic disparities in endocrine therapy adherence in breast cancer: a systematic review. *Am J Public Health*. 2015 Jul;105 Suppl 3:e4-e15. doi: 10.2105/AJPH.2014.302490. Epub 2015 Apr 23. Review. PubMed PMID: 25905855; PubMed Central PMCID: PMC4455526.
57. Dressler LG, Jones SS, Markey JM, Byerly KW, **Roberts MC**. Genomics education for the public: perspectives of genomic researchers and ELSI advisors. *Genet Test Mol Biomarkers*. 2014 Mar;18(3):131-40. doi: 10.1089/gtmb.2013.0366. Epub 2014 Feb 4. PubMed PMID: 24495163; PubMed Central PMCID: PMC3948600.

### **In Press**

1. Shen EC, Srinivasan S, Passero LE, Allen CG, Dixon M, Foss K, Halliburton B, Milko L, Smit AK, Carlson R, **Roberts MC [senior author]**. Barriers and facilitators for population genetic screening in healthy populations: a systematic review. Special Issue: *DNA-based Population Screening for Precision Public Health in Frontiers in Genetics*. (06/2022)
2. **Roberts MC**, Mader JM, Turbitt E, Smit AK, Landry L, Olstad DL, Passero LE, Allen CG. Research Priorities for Future Leaders in Precision Public Health. Special Issue: *DNA-based Population Screening for Precision Public Health in Frontiers in Genetics*. (05/2022)
3. Passero L, Srinivasan S, **Roberts MC [senior author]**. Examining the Role of Language Competency in Genetic Testing Awareness among Adults in the United States. *Journal of Genetic Counseling*. (03/2022)
4. Durham D, Abraham LA, **Roberts MC**, Khan CP, Smith RA, Kerlikowske K, Miglioretti DL. Breast cancer incidence among women with a family history of breast cancer by relative's age at diagnosis. *Cancer*. (01/2022)
5. Allen CG, Waters E, Hamilton J, Vu M, Gabrielle J, **Roberts MC [senior author]**. Multifactorial causal beliefs and colorectal cancer screening: A structural equation modeling investigation. *Journal of Health Psychology*. 06/22/21.
6. **Roberts MC**, Seaman EL, Klein WMP, Ferrer RA, Han PKJ, Katki HA, Land SR, Liotta RA, Nations JA, Peterson PG. Patient perspectives on the Risk-based NLST Outcomes Tool for lung cancer screening. *Journal of Cancer Education*. 03/09/21.

7. Simonds NI, de Moor JS, Filipski KK, Gray SW, Schrag D, **Roberts MC**, and Freedman AN. Use of a Commercially Available 12-Gene Assay in the Treatment of Early-Stage Colorectal Cancer: Results from a Nationally Representative Survey of U.S. Oncologists. *Clinical Oncology Journal*.
8. Buhlinger K, Borlagdan J, Agegnehu B, Mulu A, Bernstein A, Urick B, **Roberts MC**, Weitzman S, Bekele W, Korones D, Alexander T, Broas J, Shad A, Dinkiye AM, Clark S, Adam H, Hailu D, Muluneh B. Results of a pre-implementation analysis of Ethiopia's national pediatric cancer registry. *Journal of Oncology Pharmacy Practice*.

### **Under Review**

1. **Roberts MC**, Foss K, Henderson G, Milko L, Powell S, Saylor KW, Weck K. Public Interest in Population Screening for Cancer Risk. Special Issue: *DNA-based Population Screening for Precision Public Health in Frontiers in Genetics*.

### **REFEREED OTHER PRODUCTS OF SCHOLARSHIP**

#### **Invited Editorials [also listed above]**

1. **Roberts MC**, Fohner AE, Landry L, Olstad DL, Smit A, Turbitt E, Allen CG. Advancing precision public health using genomic research: examples from the field and future research opportunities. *Genome Medicine*. 2021.
2. **Roberts, MC**. Editorial: Implementation Challenges for risk-stratified screening in the era of precision medicine. *JAMA Oncology*. Published online July 05, 2018. doi:10.1001/jamaoncol.2018.1940

#### **Refereed oral presentations:**

1. Sperber NR [presenter], Dong, OM, **Roberts MC**, Dexter P, Elsey AR, Ginsburg, GS, Horowitz, CR, Johnson, JA, Levy, KD, Ong H, Peterson JF, Pollin TI, Rakhra-Burriss T, Ramos MA, Skaar T, Orlando LA. How does the eric typology apply to implementation of clinical decision support for genomic medicine?: Specifying and reporting implementation strategies for desired outcomes among a genomic medicine implementation network. 14<sup>th</sup> Annual Conference on the Science of Dissemination and Evaluation; December 15, 2021; Virtual.
2. Passero L [presenter], Srinivasan S, Grewe MB, **Roberts MC**. Evaluating a multilevel stakeholder intervention for family communication about Lynch syndrome. PharmAlliance Fall 2021 Research E-Symposium. November 11, 2021.

3. Sperber NR [presenter], Dong, OM, **Roberts MC**, Dexter P, Elsey AR, Ginsburg, GS, Horowitz, CR, Johnson, JA, Levy, KD, Ong H, Peterson JF, Pollin TI, Rakhra-Burris T, Ramos MA, Skaar T, Orlando LA. Strategies to Integrate Genomic Medicine Into Clinical Care: Evidence from the IGNITE Network. IGNITE Steering Committee Meeting, September 23, 2021.
4. Dong O [presenter], **Roberts MC**, Wu R, Reed S, Voils C, Chanfreau C, Sperber N, Gavin K, Bates J, Kelley M, Naglich M, Chapman J, Voora D. *A Formative Evaluation Plan for the Veterans Affairs Pharmacogenomic Testing for Veterans (PHASER) Program*. NHGRI Training and Career Development Annual Virtual Meeting. March 31, 2020.
5. Kelley, D.E. [presenter], **Roberts, M.C.**, Seaman, E.L., Ellis, E.E., Klein, W.P. *Visual Depictions of Cancer Risk: A Systematic Review*. 41<sup>st</sup> Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Francisco, CA, April 2020.
6. Srinivasan S [presenter], Nguyen JT, **Roberts MC**. Cost-effectiveness of taxane/platinum and doxorubicin/platinum combination therapies in adjuvant treatment of endometrial cancer. 36<sup>th</sup> International Conference on Pharmacoepidemiology and Therapeutic Risk Management; September 2020; Virtual due to COVID-19.
7. **Roberts MC [presenter]**, Srinivasan S, Hampel H, Patel A, Rahm AK, Reuland DS, Leeman J. *Understanding multilevel barriers and facilitators of cascade screening for lynch syndrome*. 12<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation. Arlington, VA, December 4, 2019.
8. **Roberts MC [presenter]**, Srinivasan S, Hampel H, Patel A, Rahm AK, Reuland DS, Leeman J. *Multilevel barriers and facilitators of cascade screening for Lynch syndrome: A qualitative study and systematic literature review*. 23<sup>rd</sup> Annual Meeting of the Collaborative Group of the Americas on Inherited Gastrointestinal Cancer. Salt Lake City, UT, November 5, 2019. [Silver award]
9. **Roberts MC [presenter]**, Turbitt E, Klein W. Psychosocial, attitudinal and demographic correlates of cancer-related genetic testing in the 2017 Health Information National Trends Survey, Current Issue in Public Health Genomic, American Public Health Association, San Diego, CA, November 12, 2018.
10. **Roberts MC [presenter]**, Krakow M, Silver M. Family Health History Knowledge among Participants in the Dr. Susan Love Research Foundation's The Health of Women (HOW) Study<sup>TM</sup>. Paper Session 15: Family Context and Health, Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, LA, April 12, 2018.
11. **Roberts MC [presenter]**, Taber J, Klein WM. Engagement with genetic testing and information: Paper Session 31, Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA, March 31, 2017.

12. **Roberts MC [presenter]**, Kennedy A, Chambers D, Khoury M. The current state of implementation science in genomic medicine: opportunities for improvement. *Implementation Science in Precision Medicine: From Genomic Testing to Population Health Session, Annual Conference on the Science of Dissemination and Implementation, Washington D.C., December 14, 2016.*
13. **Roberts MC [presenter]**, Wheeler SB, Reeder-Hayes K., Dusetzina SB, Dinan M, Troester M, Carey L, Weinberger M. Racial variation in the use of Oncotype DX testing for women with early stage breast cancer. Symposium on Cancer Health Disparities, National Cancer Institute, Bethesda, MD, October 2016.
14. Miller D, **Roberts MC**, Petkov V, Shak S, Howlader N, Cronin K, Penberthy L. Breast cancer-specific survival in >4,600 patients with lymph node-positive (LN+) hormone receptor-positive (HR+) invasive breast cancer (BC) and 21-gene Recurrence Score® (RS) results in the SEER registries. European Society for Medical Oncology Annual Meeting, Oral Presentation, Copenhagen, Denmark, October 2016.
15. Perez-Jolles M, Haynes-Maslow L, **Roberts MC**, Dusetzina S. *Mental health service use by race and ethnicity for adult patients with and without co-occurring chronic health care needs, 2007-2010.* AcademyHealth Annual Research Meeting, San Diego, CA, June 2014.

### **Refereed Poster Abstracts**

1. Passero L, Leeman J, Hampel H, Rahm A, Reuland D, Berg J, Fernandez M, Srinivasan S, **Roberts MC [presenter]**. Using intervention mapping to develop a patient-level intervention for cascade screening for Lynch syndrome. 14<sup>th</sup> Annual Conference on the Science of Implementation and Dissemination in Health; December 2021; Virtual.
2. Ko Y [presenter], **Roberts MC**, Seyerle AA. Understanding the importance of racial diversity in the development and implementation of pharmacogenomic guidelines in kidney transplant patients receiving tacrolimus. Poster presented at: American Society of Human Genetics Virtual Meeting 2021; October 22, 2021.
3. Passero L [presenter], Srinivasan S, **Roberts MC**. Examining the Role of Language Competency in Genetic Testing Awareness among Adults in the United States. Poster Presentation at the Transdisciplinary Conference for Future Leaders in Precision Public Health, Virtual. October 14, 2021.
4. Srinivasan S [presenter], Spees LP, Passero L, **Roberts MC**. Examining rural-urban differences in awareness, knowledge and health-related use of genetic testing in the US population. Transdisciplinary Conference for Future Leaders in Precision Public Health, Virtual. October 14, 2021.

5. Gomez K [presenter], Kinlaw A, Bagget C, Pfaff E, Urick B, **Roberts MC**. Use of Machine-learning Software to Categorize Oncotype Dx Data. Transdisciplinary Conference for Future Leaders in Precision Public Health, Virtual. October 14, 2021.
6. Yang L [presenter], Check DK, **Roberts MC**. Implementation of *UGT1A1* genotyping to Predict the Efficacy and Safety of Irinotecan for Treatment in Brain Cancer. Transdisciplinary Conference for Future Leaders in Precision Public Health, Virtual. October 14, 2021.
7. Ko Y [presenter], **Roberts MC**, Seyerle AA. Understanding the importance of racial diversity in the development and implementation of pharmacogenomic guidelines in kidney transplant patients receiving tacrolimus. Poster presented at: 2021 American Society of Health-System Pharmacists Midyear Clinical Meeting; December 5, 2021; Orlando, FL.
8. Dong OM, **Roberts MC**, Wu RR, Reed SD, Voils CI, Chanfreau C, Sperber N, Gavin K, Bates J, Chapman JG, Kelley MJ, Voora D. Association between provider perceptions and ordering of pharmacogenomic tests at veterans affairs Pharmacogenomic Testing for Veterans (PHASER) program test sites. Poster presented at the Virtual American Society of Human Genetics 2020 Annual Meeting; October 27, 2020.
9. Powell SN, Kuczynski KJ, Mollison L, Potter J, **Roberts MC**, O'Daniel JM. Developing Accessible Patient Educational Materials for Population Health Genetic Screening. ACMG Annual Meeting, Virtual, October 2020.
10. Srinivasan S, Nguyen JT, **Roberts MC [senior author]**. Cost-effectiveness of Taxane/platinum and Doxorubicin/platinum Combination Therapies in Adjuvant Treatment of Endometrial Cancer. 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Virtual, September 2020.
11. **Roberts MC**, Srinivasan S [presenter], Klein W, Samimi G, Minasian L, Loud J, Silver MI. *Association of Provider Type and Receipt of Preventive Health Services Among Women Who Received Genetic Testing for Breast Cancer Risk Assessment in The Health of Women (HOW) Study®*. American Society for Preventive Oncology, Virtual, March 2020.
12. Kelley DE, Seaman EL, **Roberts MC**, Han PJ, Katki HA, Klein WMP. *Optimizing Visual Depictions of Risk in the Context of Lung Cancer Screening: A Mixed Methods Approach*. 41<sup>st</sup> Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Francisco, CA, April 2020.
13. **Roberts MC**, Spees LP, Freedman AN, Klein WMP, Prabhu Das I, Butler E, de Moor J. "US Oncologists' Reasons for not Using Next Generation Sequencing" has been accepted as a poster presentation at the 41st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, San Francisco, CA, April 2020.

14. Allen CG [presenter], Haardörfer R, **Roberts MC**, McBride CM. The Role of Cancer Media Exposure on Perceived Cancer Risk, Worry, and Control: A Multilevel Assessment, Society of Behavioral Medicine, Washington, DC, March 2019.
15. Allen CG [presenter], **Roberts MC**, Andersen, B. Too Direct?: A Content Analysis of Direct to Consumer Social Media Tweets, Society of Behavioral Medicine, Washington, DC, March 2019. *Selected as Featured Abstract of interest to the public.*
16. Bowen D [presenter], **Roberts MC**, Rahm A. Application of an implementation model to cascade testing in families. AcademyHealth Annual Conference on the Science of Dissemination and Implementation in Health. Washington DC, December 2018.
17. Allen CG [presenter], Guan Y, **Roberts MC [senior author]**. The Role of Familial Cancer Risk on Predictors of Genetic Testing and Counseling for Hereditary Breast and Ovarian Cancer, National Society of Genetic Counselors Annual Meeting, Atlanta, GA, November 2018.
18. **Roberts MC [presenter]**, Allen CG, Andersen, B. Too Direct?: A Content Analysis of Social Media Conversations about 23&Me in the Era of Direct-to-Consumer Testing, 2018 National Conference on Health Communication, Marketing, and Media, Atlanta, GA, September 2018.
19. **Roberts MC [presenter]**, Murphy T, Moss JL, Wheldon CW, Psek W. State health policies and uptake of human papillomavirus (HPV) vaccine: A fuzzy-set qualitative comparative analysis. AcademyHealth Annual Research meeting. Seattle, WA, June 2018.
20. **Roberts MC [presenter]**, Ferrer RA, Rendle KA, Kobrin SC, Taplin SH, Hesse BW, Klein WM. Lay Beliefs about the Accuracy and Value of Cancer Screening: Findings from the National Cancer Institute's Health Information National Trends Survey. American Society of Preventive Oncology Annual Meeting. New York, NY, March 2018.
21. **Roberts MC [presenter]**, Loud JT, Klein WM, Silver MI. Provider practice and compliance with NCCN clinical guidelines for *BRCA1/2* testing: Findings from the Dr. Susan Love Research Foundation's The Health of Women Study®. AACR San Antonio Breast Cancer Symposium, San Antonio, TX, December 2017.
22. Allen CG [presenter], Andersen B, Chambers D, Groshek J, **Roberts MC [senior author]**. Twitter Use at the 2016 Conference on the Science of Dissemination and Implementation in Health: Analyzing #DIScience16. AcademyHealth Conference on the Science of Dissemination and Implementation in Health, Arlington, VA, December 2017.
23. Wheldon CW [presenter], **Roberts MC**, Boehmer U. Mental adjustment and coping with breast cancer by sexual orientation and age at diagnosis: The resilience of younger

sexual minority women. Annual Meeting of the American Public Health Association. Atlanta, GA, November 2017.

24. Shak S [presenter], **Roberts MC**, Miller DP, McCullough D, Kurian AW, Petkov VI. Breast cancer specific survival in young women <40 years with node-negative luminal breast cancer treated based on tumor gene expression. European Society for Medical Oncology 2017 Congress, Madrid Spain, September 2017.
25. Wheldon CW [presenter], **Roberts MC**, Boehmer U. Differences in sexual functioning outcomes between lesbian, bisexual, and heterosexual female breast cancer survivors. American Association for Cancer Research Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Atlanta GA, September 2017.
26. **Roberts MC [presenter]**, Kurian AW, Petkov VI. Factors associated with the receipt of 21-gene assay among women with lymph node positive breast cancer. ASCO Annual Meeting, Chicago, IL, June 2017.
27. Petkov CI [presenter], Miller DP, **Roberts MC**, Kurian AW, Shak S. Young Women with Node Negative Luminal Breast Cancer (BC) Have Excellent 5 Year BC Specific Survival (BCSS) with Favorable Biology as Defined by the 21-Gene Recurrence Score (RS) <18. ASCO Annual Meeting, Chicago, IL, June 2017.
28. **Roberts MC [presenter]**, Dusetzina SB. Trends in BRCA Test Uptake, Cost, and Subsequent Health Services Use. American Society of Preventive Oncology Annual Conference, Seattle, WA, March 2017.
29. **Roberts MC [presenter]**, Wheeler SB, Dusetzina S, Dinan M, Reeder-Hayes K, Troester M, Carey L, Weinberger M. Racial variation in the use of Oncotype DX testing for women with early stage breast cancer. Symposium on Cancer Health Disparities, National Cancer Institute, Bethesda, MD, October 2016.
30. **Roberts MC [presenter]**, Petkov V, Miller D, Shak S, Howlader N, Cronin K, Penberthy L. Breast cancer specific survival in patients with node positive hormone receptor, positive invasive breast cancer and Oncotype DX Recurrence Score results in the SEER database. ASCO Annual Meeting, Chicago, IL, June 2016.
31. **Roberts MC [presenter]**, Dusetzina SB. The effect of celebrity health disclosures on demand for health care: trends in BRCA testing in 2013 and subsequent health services use. ASCO Annual Meeting, Chicago, IL, June 2016.
32. Reeder-Hayes KE [presenter], **Roberts MC**, Dees C. Decision making and informed consent among participants in novel phase 1 trial designs. ASCO Annual Meeting, Chicago, IL, June 2016.

33. Machta R [presenter], Weinberger M, **Roberts MC**, Pignone M, Toles M, Shea C, Holmes M. Frontline perspectives on the implementation and delivery of hospital strategies to reduce readmissions. Science of Dissemination and Implementation, Washington DC, December 2015.
34. **Roberts MC [presenter]**, Bryson A, Weinberger M, Reeder-Hayes K, Dinan M., Dusetzina SB, Wheeler SB. Providers' beliefs about barriers and facilitators for using Oncotype DX in the care of breast cancer patients: a qualitative study. AcademyHealth Annual Research Meeting, Minneapolis, MN, June 2015.
35. Wheeler S [presenter], **Roberts MC**, Bloom D, Reeder-Hayes KE, Peppercorn JM, Golin C, Earp JA. Oncology providers' perspectives on endocrine therapy prescribing and management. ASCO Annual Meeting, Chicago, IL, May 2015.
36. **Roberts MC [presenter]**, Wheeler SB, Reeder-Hayes K, Dinan M., Dusetzina SB, Olshan A, Troester M, Carey L, Weinberger M. Racial variation in the uptake of a 21-tumor gene assay in the North Carolina Breast Cancer Study cohort. AACR Science of Health Disparities Meeting, San Antonio, TX, November 2014.
37. **Roberts MC [presenter]**, Dusetzina, S. Trends in the utilization and costs for genetic testing among women with breast cancer. AcademyHealth, Annual Research Meeting, San Diego, CA, June 2014.
38. Wheeler S [presenter], Reeder-Hayes K, **Roberts MC**, Bloom D, Peppercorn J, Earp JA, Golin C, Weinberger M. Understanding barriers and facilitators to endocrine therapy use: a qualitative study of racially diverse breast cancer patients and providers. AcademyHealth, Annual Research Meeting, San Diego, CA, June 2014.

## DIGITAL FORMS OF SCHOLARSHIP

### Blog Posts

1. Swetha Srinivasan, **Megan C. Roberts**, W. David Dotson and Muin J. Khoury. (October 19, 2020) Precision Medicine in Action: How can we make cascade screening for hereditary conditions work best in the real world? Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2020/10/19/precision-medicine-6/>
2. **Megan C. Roberts**, Muin J. Khoury, George A. Mensah. (July 29, 2019) The use of polygenic risk scores in clinical practice can exacerbate health disparities in ethnic and minority populations. Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2019/07/29/the-use-of-polygenic/>
3. **Megan C. Roberts** and Muin J. Khoury (July 5, 2018) Using Genetic Risk Scores in Cancer Screening: Are We There Yet? Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2018/07/05/using-genetic-risk-scores/>



4. W. David Dotson, **Megan C. Roberts**, and Muin J. Khoury (May 8, 2018) Precision Medicine in Action: How well does cascade screening for hereditary conditions work in the real world? Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2018/05/08/precision-medicine-4/>
5. Mindy Clyne, **Megan C. Roberts** and Muin J. Khoury (November 27, 2017) If You Build It Will They Come? The Urgent Need for Implementation Science in Genomic Medicine. Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2017/11/27/if-you-build-it/>
6. **Megan C. Roberts**, David A. Chambers and Muin J. Khoury (February 1, 2017) Implementation Science in Genomic Medicine: Why we need it now! Genomics and Precision Health Blog. Centers for Disease Prevention and Control. <https://blogs.cdc.gov/genomics/2017/02/01/implementation-science/>

### Podcasts

1. Career explorations in genomic medicine research. UNC Program for Precision Medicine in Health Care. September 2020. [**Roberts, MC: Interview**] <https://podcasts.apple.com/us/podcast/career-explorations-in-genomic-medicine-research/id1531268831>
2. Graber C. *Keeping Science from Getting Lost in Translation*. GenePod, Genetics in Medicine. January 2018. [**Roberts, MC: Interview**] <https://www.nature.com/collections/bafjcidai/2018-archive>

### News

1. Melville NA. Polygenic breast cancer risk scores strive to overcome racial bias. August 27, 2021. [**Roberts, MC: Interview**] [https://www.medscape.com/viewarticle/957410?src=rss#vp\\_3](https://www.medscape.com/viewarticle/957410?src=rss#vp_3)
2. Richards SE. One man's search for the DNA data that could save his life. November 19, 2020. [**Roberts, MC: Interview**] <https://www.wired.com/story/one-mans-search-for-dna-data-that-could-save-his-life/>
3. Antrim A. UNC course aims to bridge gap between research, patient care. Pharmacy Times. January 15, 2020. [**Roberts, MC: Interview**] <https://www.pharmacytimes.com/view/unc-course-aims-to-bridge-gap-between-research-patient-care>
4. Harding A. US public may lack understanding of cancer screening. Business Insider, Reuters. April 26, 2018. [**Roberts, MC: Interview**] <https://static2.businessinsider.com/r-us-public-may-lack-understanding-of-cancer-screening-2018-4>

### OTHER

**Invited oral presentations:**

- 2022 Speaker, *Overcoming Barriers and Facilitators for Genomic Medicine through the Use of Implementation Science*, Clinical Pharmacy Translational Sciences Seminar, University of Michigan College of Pharmacy, Ann Arbor, MI.
- 2022 Speaker, *PPMH Dissemination and Implementation Initiative*, PPMH Steering Committee Meeting. UNC School of Medicine, online webinar.
- 2022 Speaker, *Barriers and Facilitators to Effective and Equitable Cascade Screening*, Virtual Mini-Symposium and Discussion Panel on Equitable Cascade Genomic Testing. Office of Genomics and Precision Public Health, CDC, online webinar.
- 2022 Speaker, *Barriers and Facilitators to Effective and Equitable Cascade Screening*, Virtual Mini-Symposium and Discussion Panel on Equitable Cascade Genomic Testing. Office of Genomics and Precision Public Health, CDC, online webinar.
- 2022 Speaker, *Implementing Population Genetic Screening to Promote Precision Health*, UF CTSI Precision Health Forum, University of Florida, online webinar.
- 2022 Speaker, *What is implementation and how can it impact precision dosing?*, Precision Dosing Meeting Series. UNC Eshelman School of Pharmacy, online webinar.
- 2020 Speaker, *Using intervention mapping to improve the implementation of cascade screening for Lynch syndrome*, Genomic and Precision Medicine Forum. Duke University, online webinar.
- 2019 Speaker, *Using Implementation Science to Tackle Translational Barriers in Precision Medicine*, Program for Precision Medicine in Healthcare, UNC School of Medicine, Chapel Hill, NC.
- 2019 Speaker, *Understanding Breast Cancer Disparities in African American Women*, Women of Color Interest Group, GlaxoSmithKline, Lunch & Learn Series, online webinar.
- 2019 Speaker, *Implementation Science in Polygenic Risk Scores Research in Cancer*, Complex Disease Working Group. NIH ClinGen, online webinar.
- 2018 Workshop Panelist and Speaker, *Cascade Screening for Hereditary Conditions: Barriers, Policy Considerations, and Future Needs*, Reducing the Population Burden of Familial Hypercholesterolemia (FH): A Prototype for Translation Research and Implementation Science in Genomics and Precision Medicine, NHLBI, NIH, Bethesda MD.

- 2018 Invited Guest Lecturer, *Health Disparities in Implementation of Genomic Medicine: Challenges and Opportunities*, Public Health Genomics Seminar Series, CDC, Atlanta GA.
- 2017 Invited Guest Lecturer, *Applying Implementation Science to Precision Medicine: An Example in Breast Cancer Treatment*, Division of Pharmacotherapy and Experimental Therapeutics Cross-Divisional Seminar, UNC Eshelman School of Pharmacy, Chapel Hill, NC.
- 2017 Invited Guest Lecturer, Applications of Implementation Science Methods in Precision Medicine Research. Health Research Seminar Series, RAND, Washington, D.C.
- 2015 Invited Guest Lecturer, *Careers in Public Health* [undergraduate level], Health Studies Certificate Program, Dickinson College, Carlisle, PA.
- 2015 Invited Guest Lecturer, *Racial Disparities among Breast Cancer Patients in the Era of Precision Medicine* [undergraduate level], Biology Department Seminar, Dickinson College, Carlisle, PA.
- 2015 Invited Visiting Professor, *The Promise of Precision Medicine: Implications for cancer care quality and outcomes* [undergraduate level], Alpha Epsilon Delta (Pre-Health Society Seminar), University of North Carolina, Chapel Hill, NC.
- 2014 Teaching Assistant, HPM 762: *Quality of Care* [graduate level], Health Policy and Management, University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC. [Course Instructor: Morris Weinberger, PhD]
- 2014 Guest Lecturer, *Health Disparities in Health Care Quality* [graduate level], Health Policy and Management, University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC.
- 2013 Invited Panelist, *Health Occupation Student Association (HOSA) Graduate Panel* [undergraduate level], University of North Carolina, Chapel Hill, NC.
- 2013 Invited Guest Lecturer and Panelist, *Fall Graduate Program Open House, Student Research Panel* [graduate level], University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC.

**Survey Development:**

- 2016 Contributor for Survey Development, Healthcare Access and Utilization Module, Precision Medicine Initiative Content Module Development Team, Precision Medicine Initiative Cohort Study, National Institutes of Health, Bethesda, MD.

2013-2015 Contributor for Survey Development, Carolina Breast Cancer Study Phase III, Year 5 Follow-up Survey Committee, University of North Carolina, Chapel Hill, NC.

## TEACHING EXPERIENCE

### **Courses Directed and Taught**

<b>Term</b>	<b>Course (Number, Title, Type)</b>	<b>Role</b>
Spring 2022	PHRS815 Foundations in Implementation Science: Examples in Precision Health and Society, [PharmD and PhD; 8 week course; 14 students], Eshelman School of Pharmacy, Chapel Hill, NC and Asheville, NC [Hybrid delivery]	Course Director; Lead Instructor
Spring 2020	PHRS815 Foundations in Implementation Science: Examples in Precision Health and Society, [PharmD and PhD; 8 week course; 17 students], Eshelman School of Pharmacy, Chapel Hill, NC	Course Director; Lead Instructor
Inter-cession 2017	<i>Applications of Precision Medicine in Public Health</i> [undergraduate level; short course], Public Health Studies, Johns Hopkins University, Baltimore, MD	Course Director; Lead Co-Instructor

### **Course Guest Lectures**

<b>Term</b>	<b>Course (Number, Title, Type)</b>	<b>Role</b>
Spring 2022	DPOP 899 Division Seminar. <i>Implementing Population Genetic Screening to Promote Precision Health</i> . UNC Eshelman School of Pharmacy.	Invited Instructor
Summer 2021	Innovations and Transformation in Pharmaceutical Sciences: Discover, Develop, Deliver: Medicines and Vaccines [undergraduate, graduate and professional level, 50 global students and practitioners]. <i>Bringing Innovations to Life: Using Implementation Science to Translate Evidence to Benefit Patients</i> . UNC Eshelman School of Pharmacy. [Virtual]	Invited Instructor
Fall 2020	HBEH 772 Planning, Implementing and Evaluation Health Behavior Interventions [graduate level, 37 students]. <i>Introduction to Implementation Science</i> . UNC Gillings School of Global Public Health. [Virtual]	Invited Instructor

Fall 2020	RSC/T32 Seminar Series [graduate/post-graduate level]. <i>Using Intervention Mapping to Improve the Implementation of Genomic Medicine</i> . UNC School of Nursing. [Virtual]	Invited Instructor
Spring 2020	A Clinical Focus on Genetics, Genomics and Genetic Counseling. <i>Implementation Science in Genomic Research</i> . National Society of Genetic Counselors. [Virtual]	Invited Instructor
Spring 2020	PHCY 825 Foundational Practices of a Successful Health-System Department of Pharmacy [graduate level]. <i>Introduction to Implementation Science</i> . UNC Eshelman School of Pharmacy	Invited Instructor
Fall 2019	DPOP 899 Division Seminar [graduate level], <i>Improving Access to Genetic Testing through Implementation Science</i> . Division of Pharmaceutical Outcomes and Policy, Eshelman School of Pharmacy, Chapel Hill, NC	Invited Instructor
Fall 2019	HBEH/HPM 765 Cancer Prevention and Control, <i>Improving Access to Genetic Testing through Implementation Science</i> . UNC Gillings School of Global Public Health	Invited Instructor
Summer 2019	Research Issues in Genetic Counselling [graduate level]. <i>Implementation Science in Genetic Counselling</i> . Masters of Genetic Counselling, The University of Technology, Sydney (Australia)	Invited Instructor
Spring 2019	DPOP 870 Pharmaceutical Outcomes and Research Methods [graduate level], <i>Defining, Measuring and Addressing Health Disparities: Examples in Genomic Medicine</i> , Division of Pharmaceutical Outcomes and Policy, Eshelman School of Pharmacy, Chapel Hill, NC	Invited Instructor
Spring 2019	PACE 825 Health System Pharmacy Residency Master's Program [graduate level], <i>An Introduction to Implementation Science</i> , UNC Eshelman School of Pharmacy, Chapel Hill, NC	Invited Instructor
Fall 2018-2019	[Course Development] <i>Foundations in Implementation Science: Examples in Precision Health and Society</i> , [PharmD and PhD; 8 week course], Eshelman School of Pharmacy, Chapel Hill, NC	Lead Instructor
2017	<i>Applying Implementation Science to Precision Medicine: An Example in Breast Cancer Treatment</i> , Division of Pharmacotherapy and Experimental Therapeutics Cross-Divisional Seminar, UNC Eshelman School of Pharmacy, Chapel Hill, NC	Invited Instructor

2017	<i>Applications of Implementation Science Methods in Precision Medicine Research</i> . Health Research Seminar Series, RAND, Washington, D.C.	Invited Instructor
2015	<i>Careers in Public Health</i> [undergraduate level], Health Studies Certificate Program, Dickinson College, Carlisle, PA	Invited Instructor
2015	<i>Racial Disparities among Breast Cancer Patients in the Era of Precision Medicine</i> [undergraduate level], Biology Department Seminar, Dickinson College, Carlisle, PA	Invited Instructor
2015	<i>The Promise of Precision Medicine: Implications for cancer care quality and outcomes</i> [undergraduate level], Alpha Epsilon Delta (Pre-Health Society Seminar), University of North Carolina, Chapel Hill, NC	Invited Visiting Professor
2104	HPM 762: <i>Quality of Care</i> [graduate level], Health Policy and Management, University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC [Course Instructor: Morris Weinberger, PhD]	Teaching Assistant
2014	<i>Health Disparities in Health Care Quality</i> [graduate level], Health Policy and Management, University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC	Invited Instructor
2013	<i>Occupation Student Association (HOSA) Graduate Panel</i> [undergraduate level], University of North Carolina, Chapel Hill, NC	Invited Panelist
Fall 2013	<i>Graduate Program Open House, Student Research Panel</i> [graduate level], University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC	Invited Instructor and Panelist

## **Mentoring and Student Research Supervision**

### **UNC Eshelman School of Pharmacy**

#### **PhD, Pharmaceutical Outcomes and Policy**

##### **Chair/Major Advisor**

2018-present

#### **AESARA/UNC Market Access and Health Informatics Fellowship**

2021-present

#### **PharmD Program**

#### **Direction of UNC Eshelman School of Pharmacy Honors Student Projects**

2019-present

**Direction of MS Health-System Pharmacy Administration and Leadership Resident Projects**

2021-present

**Direction of Other UNC Eshelman School of Pharmacy Student Projects**

2020-2021

**UNC Gillings School of Global Public Health**

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**PhD, Health Policy and Management**

**Peer Doctoral Mentor**

2015-2016

**BSPH, Health Policy and Management**

**Honors Thesis Student Mentor**

2013-2014

**University of North Carolina at Chapel Hill**

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**PhD, Department of Public Policy**

**Committee member**

2019-2021

**Undergraduate, Minority Association of Pre-Health Student Mentor**

2012-present

**Undergraduate, Student Research Mentor**

2018-present

**Meharry Medical School**

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**Research Mentor**

2018-2021

**Boston University**

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**PhD, Emerging Media Studies, College of Communication**

**Committee member**

2018-2020

**George Washington University, Milken Institute of Public Health**

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**Undergraduate Research Mentor**

2016-2018

**GRANTS:**

**RESEARCH GRANTS**

**Funded as PI, co-PI or site PI  
Funded (Active)**

<b>Role</b>	<b>Title</b>	<b>Total Direct Amount (FTE if available)</b>	<b>Percent Effort</b>	<b>Agency</b>	<b>Dates</b>
PI	Population genetic screening: Understanding strategies for equitable uptake of screening	\$2000	0	NC TraCS 2K	2021
PI	Developing a tailored intervention for Spanish-speaking patients engaged in cascade screening for Lynch syndrome	\$10,000	0	UNC Faculty Development Award	2021
Site PI	R21: Implementing Pharmacogenomics in Diverse Health Care Systems	\$367,030	0.15 years 1-2	NHGRI	2021-present
Site PI	Familial Hypercholesterolemia in the United States: Evaluating a Centralized Cascade Screening Model to Improve Early Diagnosis	\$2,016,389	0.15 year 1, 0.10 year 2, 0.05 years 3-4	Department of Defense	2021-present



PI	Transdisciplinary Conference for Future Leaders in Precision Public Health	\$21,479	0.05 FTE	National Cancer Institute	2021-present
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**Funded (Completed)**

<b>Role</b>	<b>Title</b>	<b>Total Direct Amount (FTE if available)</b>	<b>Percent Effort</b>	<b>Agency</b>	<b>Dates</b>
KL2 Scholar	Gene Orringer Junior Faculty Career Development Program (TRACS KL2) “Overcoming barriers to the uptake of cascade screening for Lynch Syndrome.”	\$2,155,555	0.75 FTE per year, 3 years	National Institutes of Health	2018-2021
PI	Linking medical record and claims data to better understand cancer outcomes within the UNC health care system.	\$50,000	N/A	Lineberger Comprehensive Cancer Center	2019-2021
Site-PI	Understanding chronic pain and long-term opioid use among cancer survivors	\$143,000	.05 FTE	The Duke Endowment	2019-2020

Co-Principal Investigator	Collaborative Research Award for Fellows in Training. “Assessing the usability and perceptions of visual risk formats in the Risk-based NLST Outcomes Tool (RNOT).”	\$12869	0.00 FTE	National Cancer Institute	2018-2019
Co-Principal Investigator	Trans-Fellowship Research Award, “Understanding the Delivery of BRCA1/2 Testing: Impact on Preventive Health Services and Patient-reported Outcomes.”	\$15,000	0.00 FTE	National Cancer Institute.	2016-2017
Co-Principal Investigator	Trans-Fellowship Research Award “Screening practices and breast cancer diagnosis among women with a family history of breast cancer.”	\$15,000	0.00 FTE	National Cancer Institute	2017-2018

**Under Review**

<b>Role</b>	<b>Title</b>	<b>Total Direct Amount (FTE if available)</b>	<b>Percent Effort</b>	<b>Agency</b>	<b>Dates</b>
PI	R21: Implementing and Evaluating Genetic Screening in Healthy Adults for Precision Public Health	\$275,000	0.20 FTE	NIH/NCI	Submitted October 2021

**Funded as co-I Under Review**

<b>Role</b>	<b>Title</b>	<b>Total</b>	<b>Percent</b>	<b>Agency</b>	<b>Dates</b>
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		<b>Direct Amount</b> (FTE if available)	<b>Effort</b>		
Co-Investigator	R01: Age-based genomic screening in newborns, infants, and children: a novel paradigm in public health genomics	\$1,999,312	0.20 FTE	NIH/NHGRI	resubmitted November 2021

**PROFESSIONAL SERVICE:**

**National**

<b>Organization</b>	<b>Role</b>	<b>Dates</b>
Health Equity Working Group, Transdisciplinary Conference for Future Leaders in Precision Public Health, Virtual, Global	Co-lead	2021-present
<i>Ad hoc</i> study section: Transdisciplinary Fellowship Research Award, Cancer Prevention Fellowship Program, National Cancer Institute, Bethesda, MD	Study Section Reviewer	2020
<i>Ad hoc</i> study section: U01 RFA-CA-20-006, <i>Communication and Decision Making for Individuals with Inherited Cancer Syndromes (U01 Clinical Trial Optional)</i> National Institutes of Health, Bethesda, MD	Study Section Reviewer	2020
<i>Ad hoc</i> study section: U01 RFA-CA-19-001 <i>Communication and Decision Making for Individuals with Inherited Cancer Syndromes (U01 Clinical Trial Optional)</i> and RFA-CA-19-017, <i>Approaches to Identify and Care for Individuals with Inherited Cancer Syndromes (U01 Clinical Trial Required)</i> , National Institutes of Health, Bethesda, MD	Study Section Reviewer, Sub-chair	2019
National Academies of Sciences, Engineering, and Medicine, <i>ad hoc</i> activity of the Roundtable on Genomics and Precision Health, case study group focused on HBOC and Lynch syndrome	Invited Meeting Participant	2019
Complex Disease Working Group, ClinGen, National Institutes of Health, Bethesda, MD	Member	2018-present
Cascade Screening Working Group, Genomics and Population Health Action Collaborative, The National Academies of Sciences Engineering Medicine,	Sub-group Lead	2017-2020

Washington D.C.		
Implementation Working Group, Genomics and Population Health Action Collaborative, The National Academies of Sciences Engineering Medicine, Washington D.C.	Member	2017-2020
Precision Medicine Interest Group, Division of Cancer Control and Population Sciences, National Cancer Institute, Rockville, MD	Member	2016-2018
Employment Outcomes Committee, Healthcare Delivery Research Program, National Cancer Institute, Rockville, MD	Planning Committee Member	2016-2018
Grant Writing Fellows Advisory Board Sub-Committee, Cancer Prevention Fellowship Program, National Cancer Institute, Rockville, MD	Committee Member	2015-2018
Fellows Advisory Board, Cancer Prevention Fellowship Program, National Cancer Institute, Rockville, MD	Committee Member	2015-2018
Fellows Advisory Board, Cancer Prevention Fellowship Program, National Cancer Institute, Rockville, MD	Co-Chair	2016-2017
Science Policy Discussion Group, National Institutes of Health, Bethesda, MD	Group Member	2015-2016

### State of North Carolina

Organization	Role	Dates
The content and instructional support to all Teach for America corps members in Eastern North Carolina Region), Teach for America, Durham, NC	High School Science Content Learning Community Leader	2010-2011
Earth Science (coordinated content resources and quality improvement strategies for students learning throughout Earth/Environmental Science classrooms in Southern High School), Durham Public Schools, Durham, NC	Professional Learning Community Leader	2008-2009

### University of North Carolina at Chapel Hill

Organization	Role	Dates
UNC Protocol Review Committee for Population	Faculty Reviewer	2020-present

Sciences		
UNC Faculty Council	Elected, Voting Member	2019-present
NC TraCS Dissemination and Implementation Science Unit	Faculty Expert	2019-present
UNC Center for Health Promotion and Disease Prevention	Fellow	2020-present
UNC Cecil G Sheps Center for Health Services Research, Chapel Hill, NC	Fellow	2018-present
UNC Lineberger Comprehensive Cancer Center, Cancer Prevention and Control, Chapel Hill, NC	Full Member	2018-present
Diversity and Inclusion, Department of Health Policy and Management, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC	Committee Member	2012-2015
Committee, Department of Health Policy and Management, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC	PhD Cohort Representative and Committee Member	2011-2015
Faculty Search Committee Health Economics Tenure-track Faculty Position, Department of Health Policy and Management, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC	Student Representative and Committee Member	2013
Health Policy and Management Student Council, Department of Health Policy and Management, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC	PhD Program Representative	2011-2012

### UNC Eshelman School of Pharmacy

Organization	Role	Dates
UNC Eshelman School of Pharmacy, Faculty Teaching Effort Task Force	Member	2021-present
UNC Eshelman School of Pharmacy, Global Engagement Committee	Committee Member	2019-present
UNC Eshelman School of Pharmacy, Search Committee DPET Division Chair	Member	2019-2020

## Davidson College

Organization	Role	Dates
Bonner Steering Committee, Bonner Scholars Program, Davidson College, Davidson, NC	2007 Bonner Scholar Class Representative and Grant Reviewer	2003-2007

## EDITORIAL SERVICE

Ad Hoc Reviewer:

*American Journal of Preventive Medicine, Breast Cancer: Targets and Therapy, BMC Medicine, Cancer, Cancer Causes and Control, Clinical Breast Cancer, European Journal of Human Genetics, Familial Cancer, Genetics in Medicine, Implementation Science Communications, International Journal of Environmental Research and Public Health, Journal of Cancer Education, Journal of Genetic Counseling, JAMA-Oncology, Journal of the National Comprehensive Cancer Network, Journal of Precision Medicine, Journal of Women's Health, Medical Care, Molecular Diagnosis and Therapy, Nutrients, Personalized Medicine, Pharmacogenomics and Personalized Medicine, Public Health Reports, Vaccine*

## PROFESSIONAL AFFILIATIONS

AcademyHealth  
American Association of Colleges of Pharmacy  
American Public Health Association  
American Society of Clinical Oncology  
Society for Implementation Research Collaboration

## PROFESSIONAL DEVELOPMENT

### Training Institutes

Multilevel Training Institute, National Cancer Institute, Bethesda, MD	May 2020-September 2020
Training Institute for Dissemination and Implementation Research in Cancer, National Cancer Institute, Bethesda, MD	March 2020-July 2020
Targeting Equity in Access to Mentoring (TEAM) ADVANCE Peer Mentoring Circle, University of North Carolina, Chapel Hill, NC	January 2020-2021
Genetics and Genomics Certificate, Stanford Genetics and Genomics Program	January 2019-Present
Course Development Institute, Center for Faculty Excellence, University of North Carolina, Chapel Hill, NC	August 2019
Intervention Mapping Summer Institute, University of Maastricht, Netherlands	June-July 2019

Clinical Genetics Certificate, ASCO Clinical Genetics Program [online]	October 2018- January 2019
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### **Training Seminars**

Creating an Inclusive Learning Environment in the Graduate Education Setting, Center for Innovative Pharmacy Education & Research, UNC Eshelman School of Pharmacy, Chapel Hill, NC	September 2020
Educational Impact, Center for Innovative Pharmacy Education & Research, UNC Eshelman School of Pharmacy, Chapel Hill, NC	March 2020
Cross Cultural Classroom, Center for Innovative Pharmacy Education & Research, UNC Eshelman School of Pharmacy, Chapel Hill, NC	Fall 2019

### **COMMUNITY SERVICE:**

<b>Organization/Activity</b>	<b>Role</b>	<b>Dates</b>
Project Homelessness Connect (resource fair providing medical care, dental care and social services to individuals experiencing homelessness), United Way, Washington D.C.	Volunteer	2016
Pretty In Pink Foundation ( <i>provides uninsured and underinsured women with breast cancer the necessary treatment, education and support so that they may become survivors</i> ), Raleigh, NC	Publications Team Leader and Author	2010-2015
Carolina Challenge (consulted for an undergraduate team of students who created software (S.T.E.N.C.I.L.) to identify students who are at risk of dropping out of high school), Chapel Hill, NC	Education Consultant	2011-2012
Pretty In Pink Foundation, Raleigh, NC	Volunteer Administrative Assistant	2010-2011
Kramden Institute (awards home computers to bridge the digital divide and advance student achievement among underserved students), Durham, NC	Volunteer	2009-2010
Dickinson Col Dickinson College Community Garden (taught farming techniques to mentally handicapped adults and youth living in local juvenile detention center, grew and harvested vegetables for local food bank, delivered fresh produce to low income families), Dickinson College, Carlisle, PA	Volunteer	2004, 2006
Ada Jenkins Center After-School Program, Davidson, NC	Tutor and Mentor	2003-2005

