

**Mary Roth McClurg, PharmD, MHS, FCCP
Curriculum Vitae**

PERSONAL INFORMATION

Work Address

University of North Carolina at Chapel Hill
CB #7573, Beard Hall 322
UNC Eshelman School of Pharmacy
Chapel Hill, NC 27599-7573
Phone: (919) 843-8083
Email: mroth@unc.edu

EDUCATION AND TRAINING

Academy of Academic Medical Center Coaching: Core Skills for Coaching	3/22 – 4/22
ACC Academic Leaders Program (UNC cohort)	2019- 2020
Grinnell Leadership Leadership Jumpstart Program Advanced Coaching Program	11/18 – 11/20
Faculty Administrators Development Program (FADP) UNC Center for Faculty Excellence University of North Carolina. Chapel Hill, NC	9/13 - 8/14
Fellow and Scholar, Clinical Research Curriculum, NIH K30 Program School of Medicine, University of North Carolina. Chapel Hill, NC	8/02 - 7/06
Master of Health Sciences in Clinical Research School of Medicine, Duke University, Durham, NC	8/00 - 9/02
Pharmacy Practice Resident Saint Louis College of Pharmacy, St. Louis, MO	7/94 - 6/95
Doctor of Pharmacy Saint Louis College of Pharmacy, St. Louis, MO	5/93 - 5/94
Bachelor of Science in Pharmacy Saint Louis College of Pharmacy, St. Louis, MO	8/88 - 5/93
Licensure: North Carolina (14214), Missouri (PHA 043727) Certification: Commission for Certification in Geriatric Pharmacy (1072), 2004-2008	

PROFESSIONAL EXPERIENCE

Executive Vice Dean-Chief Academic Officer	9/18 - present
--	----------------

March 2022

UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Professor 2/18 - present
Practice Advancement and Clinical Education
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Associate Director, Eshelman Institute for Innovation 2/16 – 11/18
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Executive Director, The Academy 2/13 - 9/14
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Director, Office of Strategic Planning and Assessment 1/11 - 7/14
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Interim Director, Office of Assessment 9/10 - 12/10
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Associate Professor 7/15 – 7/18
Division of Practice Advancement and Clinical Education
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC.

Associate Professor 11/09 – 6/15
Division of Pharmaceutical Outcomes and Policy
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC.

Assistant Professor 7/05 – 10/09
Division of Pharmaceutical Outcomes and Policy
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Assistant Professor 11/02 - 6/05
Division of Pharmacotherapy, School of Pharmacy
UNC Eshelman School of Pharmacy
University of North Carolina, Chapel Hill, NC

Clinical Assistant Professor 2/98 - 10/02
Division of Pharmacotherapy, School of Pharmacy
University of North Carolina, Chapel Hill, NC

Clinical Pharmacist Division of Geriatric Medicine, School of Medicine University of North Carolina, Chapel Hill, NC	7/01 - 9/05
Director, Geriatric Pharmacy Residency Program University of North Carolina, Chapel Hill, NC	7/01 - 6/05
Clinical Pharmacist, Ambulatory Care Durham Veterans Affairs (VA) Medical Center, Durham, NC	2/98 - 6/01
Director, Ambulatory Care Residency Program Durham VA Medical Center, Durham, NC	7/99 - 6/01
Clinical Assistant Professor Division of Pharmacy Practice Saint Louis College of Pharmacy, St. Louis, MO	7/95 - 12/97
Clinical Pharmacist, Internal Medicine John Cochran VA Medical Center, St. Louis, MO	7/95 - 12/97

HONORS

Fellow, GTMRx Institute	2021
Junior Faculty Development Award, <i>UNC Provost's Office (\$7500 toward research)</i>	2007
Phi Lamda Sigma Pharmacy Leadership Society	2006
Gordon H. DeFriese Career Development in Aging Research Award	2006
Fellow, American College of Clinical Pharmacy	2004

BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

Peer-reviewed Publications

1. **McClurg MT.** CMM alphabet soup: Making sense of our ABCs. *J Am Coll Clin Pharm.* 2021;4:1060–1066.
2. 2021. Implementing High-Quality Primary Care: Rebuilding the Foundation of Health Care. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25983>.
3. Minshew LM, Lee D, White CY, **McClurg M**, McLaughlin JE. Development of a Cultural Intelligence Framework in Pharmacy Education. *Am J Pharm Educ.* 2021 Oct;85(9):8580.
4. Armistead L, Cruz A, Levitt J, **McClurg M**, Blanchard C. Medication therapy problem documentation and reporting: A review of the literature and summary of best practices. *J Am Coll Clin Pharm.* 2021 July; 4(10).
5. Blanchard CM, Yannayon M, Sorge L, Frail C, Funk K, Ward C, Livet M, Sorensen T, **McClurg M.** Establishing a Common Language for the comprehensive medication management patient care process: Applying implementation science to standardize care delivery. *J Am Coll Clin Pharm.* 2021;4:1070–1079.
6. Morbitzer KA, McLaughlin JE, Devanathan AS, Ozawa S, **McClurg M**, Carpenter DM, Lee CR. How-To Guide for Overcoming Barriers of Research and Scholarship Training in Pharm.D. and Pharmacy Residency Programs. *J Am Coll Clin Pharm.* 2021 Jun;4(6):743-753.

7. Funk KA, Sorge LA, Bazemore AW, Sorensen TD, **McClurg M**, Carroll JK. How Comprehensive Medication Management Contributes to Foundational Elements of Primary Care. *J Am Board Fam Med*. 2021 Mar-Apr;34(2):420-423.
8. McFarland MS, Buck ML, Crannage E, Armistead LT, Ourth H, Finks SW, **McClurg M**, writing on behalf of the Get the Medications Right Institute. Assessing the Impact of Comprehensive Medication Management on Achievement of the Quadruple Aim. *Am J Med*. 2021 Apr;134(4):456-461.
9. Livet M, Blanchard C, Richard C, Sheppard K, Yannayon M, Sorensen T, **McClurg M**. Measuring implementation of medication optimization services: Development and validation of an implementation outcomes questionnaire. *Res Social Adm Pharm*. 2021 Sep;17(9):1623-1630.
10. McLaughlin, JE, Bush, AA, Rodgers, PT, Scott, MA, Zomorodi, M, and **Roth, MT**. Characteristics of high performing interprofessional teams involving student pharmacists. *AJPE* 2020: 84 (1), Article 7095.
11. Pestka D, Frail, C, Sorge L, Funk K, Janke K, **Roth McClurg M**, Sorensen T. Development of the Comprehensive Medication Management Practice Management Assessment Tool: A Resource to Assess and Prioritize Areas for Practice Improvement. *J Am Coll Clin Pharm*. 2020;3(2):448-454.
12. Pestka D, Frail, C, Sorge L, Funk K, Janke K, **Roth McClurg M**, Sorensen T. The Practice Management Components Needed to Support Comprehensive Medication Management in Primary Care Clinics. *J Am Coll Clin Pharm*. 2020;3(2):438-447.
13. Livet M, Blanchard C, Frail C, Sorensen T, **McClurg MR**. Ensuring Effective Implementation: A Fidelity Assessment System for CMM. *J Am Coll Clin Pharm*. 2019; 1-11.
14. Funk KA, Pestka DL, **Roth McClurg MT**, Carroll JK, Sorensen TD. Primary Care Providers Believe that Comprehensive Medication Management Improves Their Work-Life. *J Am Board Fam Med*. 2019 Jul-Aug;32(4):462-473. doi: 10.3122/jabfm.2019.04.180376.
15. Pestka DL, Sorge LA, Mendkoff J, Frail CK, Funk KA, Carroll J, Sorensen TD, **Roth McClurg M**. Assessing the State of Comprehensive Medication Management in a Sample of Primary Care Clinics. *Innovations in Pharmacy*. 2019, Vol. 10, No. 1, Article 5.
16. Pestka DL, Sorge LA, **McClurg MR**, Sorensen TD. The Philosophy of Practice for Comprehensive Medication Management: Evaluating Its Meaning and Application by Practitioners. *Pharmacotherapy*. 2018 Jan;38(1):69-79. doi: 10.1002/phar.2062. Epub 2017 Dec 18.
17. Livet M, Haines ST, Curran GM, Seaton T, Ward C, Sorensen T, **Roth McClurg M**. Implementation Science to Advance Care Delivery: A Primer for Pharmacists and Other Health Professionals. *Pharmacotherapy*. 2018 May;38(5):490-502. doi: 10.1002/phar.2114.
18. Livet M, Blanchard C, Sorensen TD, **Roth McClurg MT**. An implementation system for medication optimization: Operationalizing comprehensive medication management delivery in primary care. *J Am Coll Clin Pharm*. 2018;1:14-20.
19. Pinelli NR, McLaughlin JE, Khanova J, Eckel SF, Vu MB, Weinberger M, **Roth MT**. Identifying the Presence of Cognitive Apprenticeship in the Layered Learning Practice Model. *Am J Pharm Educ*. 2018 Feb;82(1):6155.
20. McLaughlin JE, Bush AA, Rodgers PT, Scott MA, Zomorodi M., Pinelli NR, and **Roth MT**. Exploring the Requisite Skills and Competencies of Pharmacists Needed for Success in an Evolving Health Care Environment. *Am J Pharm Educ*. 2017 Aug;81(6):116. doi: 10.5688/ajpe816116.
21. Pinelli NR, McLaughlin JE, Khanova J, Eckel S., Vu M., Weinberger M., and **Roth MT**. Identifying the presence of cognitive apprenticeship in the layered learning practice model. In Press: *Amer J Pharm Educ* 2017.
22. McLaughlin JE, Persky AM, and **Roth MT**. Promoting educational research through school-based peer review. In Press: *Medical Education* 2017.
23. Farley JF, Ferreri SP, Easter J, **Roth McClurg M**. The North Carolina Experiment: Active Research in the Development and Assessment of New Practice Models. *NC Med J* 2017 May-Jun;78(3):186-190.

24. Blanchard C, Livet M, Ward C, Sorge L, Sorensen T, **Roth McClurg M**. The Active Implementation Frameworks: A Conceptual Model to Advance Comprehensive Medication Management in Primary Care. *Res Social Adm Pharm*. 2017 Sep-Oct;13(5):922-929.
25. Pinelli NR, McLaughlin JE, Chen S, Luter ND, Arnall J, Smith S, **Roth MT**, Rodgers PT, Williams DM, Amerine L. Improved organizational outcomes associated with incorporation of early clinical experiences for second year student pharmacists at an academic medical center. *J Pharm Pract*. 2017;30(1), 99-108.
26. Woodall T, Landis SE, Galvin SL, Plaut T, **Roth MT**. Provision of Annual Wellness Visits with Comprehensive Medication Management by a Clinical Pharmacist Practitioner. *Am J Health Syst Pharm*. 2017 Feb 15;74(4):218-223.
27. Lyons K, McLaughlin JE, Khanova J, **Roth MT**. Cognitive apprenticeship in health sciences education: a qualitative review. *Adv Health Sci Educ Theory Pract*. 2017 Aug;22(3):723-739.
28. Pinelli NR, Eckel SF, Vu MB, Weinberger M, **Roth MT**. The layered learning practice model: Lessons learned from implementation. *Am J Health Syst Pharm*. 2016 Dec 15;73(24):2077-2082.
29. Bates, J., Buie, L.W., Lyons, K., Rao, K., Pinelli, N., McLaughlin, J.E., **Roth MT**. Active learning strategies used in a layered hematology/oncology experiential model. *Am J of Pharm Educ* 2016 May 25;80(4):68.
30. **Roth McClurg M**. Moving Away from Pharmacist Efficacy and Toward Pharmacist Effectiveness: Refocusing Research that Generates Knowledge about Pharmacist-Provided Services. *Pharmacy Times* (article was peer-reviewed). Feb 2016. Available at: <http://www.pharmacytimes.com/news/moving-away-from-pharmacist-efficacy-and-toward-pharmacist-effectiveness-refocusing-research-that-generates-knowledge-about-pharmacist-provided-services>.
31. Khanova J, McLaughlin JE, Rhoney DH, **Roth MT**, Harris S. Student Perceptions of a Flipped Pharmacotherapy Course: Lessons Learned and Design Considerations. *Am J Pharm Educ*. 2015 Nov 25;79(9):140.
32. McLaughlin JE, Amerine LB, Chen SL, Luter DN, Arnall J, Smith S, **Roth MT**, Rodgers PT, Williams DM, Pinelli NR. Early Clinical Experiences for Second-Year Student Pharmacists at an Academic Medical Center. *Am J Pharm Educ*. 2015 Nov 25;79(9):139. doi: 10.5688/ajpe799139.
33. McLaughlin JE, Billings L, **Roth MT**. Establishing a Closed Loop Course Evaluation Process to Improve Course and Instructor Effectiveness. *Assessment Update*. Volume 27, Issue 5, pages 3-13. September-October 2015.
34. Khanova J, **Roth MT**, Rodgers JE, McLaughlin JE. Student Experiences Across Multiple Flipped Classrooms in a Single Curriculum. *Med Educ*. 2015 Oct;49(10):1038-48.
35. Pinelli NR, McLaughlin JE, Chen SC, Luter DN, Arnall J, Smith S, **Roth MT**, Rodgers PT, Williams DM, Poppe LB. Improved organizational outcomes associated with incorporation of early clinical experiences for second year student pharmacists at an academic medical center. *J Pharm Pract*. 2015 Jun 2. pii: 0897190015585765. [Epub ahead of print]
36. McLaughlin JE, Poppe LB, Chen SC, Luter DN, Arnall J, Smith S, **Roth MT**, Rodgers PT, Williams DM, Pinelli NR. Early clinical experiences for second year student pharmacists at an academic medical center. *Am J Pharm Educ*. 2015 Nov 25;79(9):139.
37. Commentary: Costs of a Flipped Classroom. McLaughlin JE, **Roth MT**, Mumper RJ. *Acad Med*. 2014 Nov;89(11):1429-30.
38. Roberts AW, Crisp GD, Esserman DA, **Roth MT**, Weinberger M, Farley JF. Patterns of medication adherence and health care utilization among patients with chronic disease who were enrolled in a pharmacy assistance program. *NC Med J*. 2014 Sep-Oct;75(5):310-8.
39. Crisp GD, Roberts AW, Esserman DA, **Roth MT**, Weinberger M, Farley J. The UNC Health Care Pharmacy Assistance Program. *NC Med J*. 2014 Sep-Oct;75(5):303-9.

40. **Roth MT**, Mumper RJ, Singleton SF, Lee CR, Rodgers PT, Cox WC, McLaughlin JE, Joyner P, Blouin RA. A renaissance in pharmacy education at the University of North Carolina at Chapel Hill. *NCMJ*. 2014 Jan-Feb;75(1):48-52.
41. Fang G, Robinson JG, Lauffenburger J, **Roth MT**, Brookhart MA. Prevalent but moderate variation across small geographic regions in patient nonadherence to evidence-based preventive therapies in older adults after acute myocardial infarction. *Med Care*. 2014 Mar;52(3):185-93
42. McLaughlin JE, **Roth MT**, Glatt DM, Gharkholonareh N, Davidson CA, Griffin LM, Esserman DA, Mumper RJ. The flipped classroom: A course design to foster learning and engagement in a health professions school. *Acad Med* 2014 Feb;89(2):236-243.
43. McLaughlin JE, Dean MJ, Mumper RJ, Blouin RA, **Roth MT**. A roadmap for educational research in pharmacy. *Am J Pharm Educ*. 2013 Dec 16;77(10):218
44. Lauffenburger JC, Balasubramanian A, Farley JF, Critchlow CW, O'Malley CD, **Roth MT**, Pate V, Brookhart MA. Completeness of prescription information in US commercial claims databases. *Pharmacoepidemiol Drug Saf*. 2013 Aug;22(8):899-906.
45. McLaughlin JE, Griffin LM, Esserman DA, Davidson CA, Glatt DM, **Roth MT**, Gharkholonareh N, Mumper RJ. Pharmacy student engagement, performance, and perception in a flipped satellite classroom. *Am J Pharm Educ*. 2013 Nov 12;77(9):196.
46. Hansen RA, Esserman DA, **Roth MT**, Lewis C, Ivey Burkhardt J, Weinberger M, Watson LC. Performance of Medometer visual tool for measuring medication adherence and comparison with other measures. *J Am Pharm Assoc* 2013 Mar-Apr;53(2):198-205.
47. Watson LC; Esserman D; Ivey JL; Hansen R; Lewis CL, Weinberger M. **Roth MT**. Enhancing quality in psychiatry using pharmacists (EQUIPP): results from a pilot study. *Am J Geriatr Psych* 2013 Sep 7.pii:S1064-7481.
48. **Roth MT**, Ivey JL, Esserman DA, Crisp G, Kurz J; Weinberger M. Individualized Medication Assessment and Planning (iMAP): Optimizing Medication Use in the Primary Care Setting. *Pharmacotherapy*. 2013 Aug;;33(8):787-797.
49. Simmons-Yon A, **Roth MT**, Vu M, Kavalieratos Dio, Weinberger M, Rao JK. Understanding pharmacists' experiences with advice-giving in the community pharmacy setting: a focus group study. *Patient Educ Couns*. 2012 Dec;89(3):476-83.
50. Lauffenburger JC, Vu MB, Burkhardt JI, Weinberger M, **Roth MT**. Design of a medication therapy management program for Medicare beneficiaries: qualitative findings from patients and physicians. *Am J Geriatr Pharmacother*. 2012 Apr;10(2):129-38. Epub 2012 Jan 27.
51. Crisp GD, Burkhardt JI, Esserman DA, Weinberger M, **Roth MT**. Development and testing of a tool for assessing and resolving medication-related problems in older adults in an ambulatory care setting: the individualized medication assessment and planning (iMAP) tool. *Am J Geriatr Pharmacother*. 2011 Dec;9(6):451-60. Epub 2011 Nov 4.
52. Casteel C, Blalock SJ, Ferreri S, **Roth MT**, Demby KB. Implementation of a Community Pharmacy-Based Falls Prevention Program. *Am J Geriatr Pharmacother*. *Am J Geriatr Pharmacother*. 2011 Oct;9(5):310-9. Epub 2011 Sep 16.
53. **Roth MT**, Esserman DA, Ivey JL, Weinberger M. Racial disparities in quality of medication use in older adults: findings from a longitudinal study. *Am J Geriatr Pharmacother*. 2011 Aug;9(4):250-8. Epub 2011 Jun 12.
54. Geonnotti KL, Upchurch G, **Roth MT**, Weinberger M. It pays to compare: assisting Medicare Part D beneficiaries with enrollment yields out-of-pocket cost savings. *J Am Geriatr Soc*. 2011 May;59(5):953-5.
55. **Roth MT**, Esserman DA, Ivey JL, Weinberger M. Racial disparities in the quality of medication use in older adults: baseline findings from a longitudinal study. *J Gen Intern Med*. 2010 Mar;25(3):228-34.

56. Beard AJ, Sleath B, Blalock SJ, **Roth M**, Weinberger M, Tudor G, Chewning B. Predictors of rheumatoid arthritis patient-physician communication about medication costs during visits to rheumatologists. *Arthritis Care Res.* 2010 May;62(5):632-9.
57. Blalock SJ, Casteel C, **Roth MT**, Ferreri S, Demby KB, and Shankar V. Impact of enhanced pharmacologic care on the prevention of falls: A randomized controlled trial. *Am J Geriatr Pharmacother* 2010;8(5):428-440.
58. **Roth MT**, Watson LC, Esserman DA, Ivey JL, Hansen R, Lewis CL, Weinberger M. Methodology of a Pilot Study to Improve the Quality of Medication Use in Older Adults: Enhancing Quality in Psychiatry Using Pharmacists (EQUIPP). *Am J Geriatr Pharmacother* 2009;7:362-372.
59. Esserman DA, Moore CG, **Roth MT**. Analysis of Binary Adherence Data in the Setting of Polypharmacy: A Comparison of Different Approaches. *Statistics in Biopharmaceutical Research* 2009, 1(2): 201-212.
60. **Roth MT**, Zlatic T. Development of Student Professionalism Pharmacotherapy 2009;29(6):749-756.
61. **Roth MT**, Weinberger M, Campbell WH. Measuring the Quality of Medication Use in Older Adults. *J Am Geriatr Soc* 2009;57:1096-1102. Epub 2009 Apr 16.
62. **Roth MT**, Moore CG, Ivey JL, Esserman DA, Campbell WH, Weinberger M. The Quality of Medication Use in Older Adults: Methods of a Longitudinal Study. *Am J Geriatr Pharmacother.* 2008;6:220-233.
63. Ferreri S, **Roth MT**, Casteel C, Demby KB, Blalock SJ. Methodology of an ongoing, randomized controlled trial to prevent falls through enhanced pharmaceutical care. *Am J Geriatr Pharmacother.* 2008;Jun;6(2):61-81.
64. Sloane P, Ivey J, **Roth M**, Roederer M, Williams CS. Accounting for the sedative and analgesic effects of medication changes during patient participation in clinical research studies: measurement development and application to a sample of institutionalized geriatric patients. *Contemp Clin Trials.* 2008; Mar;29(2):140-148.
65. Christensen DB, **Roth M**, Trygstad T, Byrd J. Evaluation of a pilot medication therapy management project within the North Carolina State Health Plan. *J Am Pharm Assoc.* 2007; Jul-Aug;47(4):471-483.
66. Hansen RA, Henley AC, Brouwer ES, Oraefo AN, **Roth MT**. Geographic Information System mapping as a tool to assess nonresponse bias in survey research. *Res Social Adm Pharm.* 2007; 3(3):249-264.
67. Hansen RA, **Roth MT**, Brouwer ES, Herndon AS, Christensen DB. Medication therapy management services in North Carolina community pharmacies: current practice patterns and projected demand. *J Am Pharm Assoc.* 2006; 46(6):700-706.
68. **Roth MT**, Ivey JL. Self-reported Medication Use in Community-Residing Older Adults: A Pilot Study. *Am J Geriatr Pharmacother.* 2005;3:196-204.
69. **Roth M**. Westman EC. Outcomes from an outpatient smoking cessation clinic. *Pharmacotherapy.* 2005;25(2):279-288.
70. **Roth M**. Osteoporosis Guidelines. *Clinical Reviews in Bone and Mineral Metabolism.* 2004;2(4):315-324.
71. Sloane PD, Gruber-Baldini AL, Zimmerman S, **Roth M**, Watson L, Boustani M, Magaziner J, Hebel JR. Medication undertreatment in assisted living settings. *Arch Intern Med.* 2004;164(18):2031-37.
72. Dornbrook-Lavender KA, **Roth MT**, Pieper JA. Secondary prevention of coronary heart disease in the elderly. *Ann Pharmacother.* 2003 Dec;37(12):1867-1876.
73. Dornbrook-Lavender KA, Pieper JA, **Roth MT**. Primary prevention of coronary heart disease in the elderly. *Ann Pharmacother.* 2003 Nov;37(11):1654-1663.
74. Carroll DN, **Roth MT**. Evidence for the Cardioprotective Effects of Omega-3 Fatty Acids. *Ann Pharmacotherapy.* 2002;36(1):1950-1956.
75. **Roth MT**, Westman EC. Asthma exacerbation after administration of nicotine nasal spray for smoking cessation. *Pharmacotherapy.* 2002;22(6):779-782.
76. Andrus MR., **Roth MT**. Health Literacy: A Review. *Pharmacotherapy* 2002;22(3):282-302.
77. **Roth MT**, Westman EC. Use of Bupropion SR in a Pharmacist-Managed Outpatient Smoking Cessation Program. *Pharmacotherapy.* 2001;21(5):636-641.

78. Tangeman H, **Roth MT**. Helicobacter pylori in the Treatment of Peptic Ulcer Disease. Journal of Pharmacy Practice. 1999; 12(5):380-390.
79. Maddux MS, Vrahnos D, **Roth MT**, Hobson EH, Holstad SG, Zlatic TD. A Curriculum for Tomorrow's Pharmacy Practitioners. Pharmaguide Hosp Med 1996;9(1):1-4, 9-12.

Website

Optimizing Medications for Better Health. A web-based CMM implementation system. Available at: <https://www.optimizingmeds.org/>. Version 2.0 released 2021.

Book Chapters (7)

1. McLaughlin, JE, **Roth MT**, and Mumper, R J. (2014) The flipped classroom: Making time for active learning. In Fornari, A. and Poznanski, A. (Eds.), Active Learning Strategies for Large Classroom Sessions. International Association of Medical Science Educators.
2. **Roth MT**, Blouin RA. Foreword. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM. Pharmacotherapy: A Pathophysiologic Approach. Ninth edition. McGraw-Hill Medical 2014.
3. **Roth MT**, Murray MD. Polypharmacy: Management. In: Capezuti EA, Siegler EL, Mezey MD, eds. The Encyclopedia of Elder Care: The Comprehensive Resource on Geriatric and Social Care. 2nd ed. New York: Springer Publishing Company;2008:639-641.
4. **Roth MT**. Falls Prevention. In: Pharmacotherapy Self-Assessment Program: Geriatrics and Special Populations. Fifth edition. American College of Clinical Pharmacy. 2004, p 1-20.
5. **Roth MT**. Teaching Urinary Tract Anti-Infective Therapy. In: Zlatic TD, ed. Developing Thinking Abilities Within Pharmacy Education. Saint Louis: 1996, p 119-135.
6. **Roth MT**. Drug Therapy for Helicobacter pylori. Facts and Comparisons 1996.
7. **Roth MT**, Zlatic TD, Maddux MS, Rolison GG, et al. Developing Thinking Abilities Within Pharmacy Education: A Sourcebook. St. Louis College of Pharmacy. Saint Louis: 1995.

Non-peer-reviewed publications (9)

1. **Roth MT** (on behalf of CMM Study Team). Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team. In press. Sept 2017.
2. **Roth MT** (on behalf of CMM Study Team). Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team. <https://www.accp.com/docs/report/0317.pdf> March 2017.
3. **Roth MT** (on behalf of CMM Study Team). Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team. <https://www.accp.com/docs/report/0916.pdf> Sept 2016.
4. **Roth MT** (on behalf of CMM Study Team). Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team. <https://www.accp.com/docs/report/0616.pdf> June 2016.
5. **Roth MT**. American College of Clinical Pharmacy (ACCP). Experts in Training: News for Residents, Fellows, and Graduate Students of ACCP. Identifying Research Opportunities. <http://www.accp.com/resfel/newsletter.aspx>. April 2016.
6. **Roth MT** (on behalf of CMM Study Team). Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team. <http://www.accp.com/docs/report/0316.pdf>. March 2016.
7. National Committee for Quality Assurance (NCQA) Quality Talks Presentation: Inspiring the Future of American Health Care. The \$200 billion opportunity: Getting Medicines Right. Newseum. Washington DC. November 2015. Published online November 2015. <https://www.youtube.com/watch?v=gp6ziS00dP4> Accessed August 2017.

8. National Committee for Quality Assurance (NCQA) [Quality Talks Blog Post](https://www.qualitytalks.org/our-love-hate-relationship-with-medication/): Inspiring the Future of American Health Care. The \$200 billion opportunity: Getting Medicines Right. Blog Post. August 2015. Published online: <http://www.qualitytalks.org/our-love-hate-relationship-with-medication/> Accessed February 2016.
9. Roth MT. Healthcare Literacy. *PharmaVOICE*. January/February 2002;2(1):10-25.

Invited Oral Presentations (81)

1. McClurg M, McFarland S, Sorensen T. Medication optimization through the provision of CMM. An ACCP *International* Certificate Program (15 hours). Fall 2022.
2. McClurg M, McFarland S, Sorensen T. Medication optimization through the provision of CMM. CMM Implementation Certificate. ACCP *Academy* Certificate Program (30-hour self-paced course with a consultancy over 12-24 months). Fall 2022-Fall 2023.
3. Hawes E, Lombardi B, Galloway E, Campbell H, Page C, **McClurg M**. Co-location of Pharmacists with Primary Care Providers: An Analysis of NPI Data. AAMC Health Workforce Research Conference. Virtual May 4-6, 2022.
4. **McClurg M**. Advancing the Profession by Influencing Policy: ACCP's Advocacy Efforts Beyond Capitol Hill. Implementing High Quality Primary Care: Rebuilding the Foundation of Health Care. The National Academies. American College of Clinical Pharmacy (ACCP) Annual Meeting. October 2021.
5. **McClurg M**, Sorensen T. CMM Consultancy Workshop. American College of Clinical Pharmacy (ACCP) Annual Meeting. October 2021.
6. **McClurg M**, Ideker A. Comprehensive Medication Management: A Better Way to Manage Medications. Get the Medications Right Institute Seminar Series. September 2021.
7. **McClurg M**, Ideker A. Comprehensive Medication Management: A Better Way to Manage Medications. Johnson and Johnson Executive Briefing. Get the Medications Right Institute. May 2021.
8. accp
9. **McClurg M**, Brennan RB, McCauley L, Phillips R. Implementing High Quality Primary Care: Rebuilding the Foundation of Health Care. The National Academies. Association of Colleges of Pharmacy (ACCP); September 2021.
10. McCauley L, Phillips R., **McClurg M**. Implementing High Quality Primary Care: Rebuilding the Foundation of Health Care. The National Academies. NASEM webinar series: *The Future Workforce*. Open Invitation. June 2021.
11. McCauley L, Coker, T, Brennan RB, **McClurg M**. Implementing High Quality Primary Care: Rebuilding the Foundation of Health Care. The National Academies. NASEM webinar series. US Health Resources and Services Administration (HRSA); May 2021.
12. **Roth MT**, Loafman M. CMM Implementation in Primary Care. GTMRx. October 2020.
13. **Roth MT**, Sorensen T. CMM Implementation in Primary Care: Results and Future Directions. ACCP Annual Meeting Town Hall. October 2020.
14. **Roth MT**, Sorensen T, Whittington M. The CMM Study. ACCP Board of Regents and ACCP Research Institute Board of Trustees. ACCP Board Meeting. January 2020. Kansas City, MO.
15. **Roth MT**, Sorensen T. The CMM Study. ACCP Board of Regents and ACCP Research Institute Board of Trustees. ACCP Annual Meeting. Oct 2019. New York, NY.
16. **Roth MT**, Sorensen T. The Pharmacists Patient Care Process and CMM. Joint Commission for Pharmacy Practice (JCPP). Oct. 2019. Alexandria, VA. October 2019.
17. **Roth MT**, McLaughlin J. Curriculum Transformation. James L. Winkle College of Pharmacy. University of Cincinnati College of Pharmacy. October 2017. Cincinnati, OH.
18. **Roth MT**. Concordia's Medication Management Accelerator. The Schools of Pharmacy and Business at Concordia University. Milwaukee, Wisconsin. Oct 2017. Presenter and Pitch Event Judge.

19. **Roth MT**, Sorensen T, Transforming Primary Care Medical Practice through Comprehensive Medication Management. ACCP Annual Meeting. Oct 2017. Phoenix, AZ.
20. **Roth MT**, Sorensen T, Carroll J. The CMM Study. ACCP Board of Regents and ACCP Research Institute Board of Trustees. ACCP Annual Meeting. Oct 2017. Phoenix, AZ.
21. **Roth MT**, Practice-Based Research and Implementation Science. Research and Scholarship Academy Certificate Program. ACCP Annual Meeting. Oct 2017. Phoenix, AZ.
22. **Roth MT**, Sorensen T. Accelerating Adoption of the Patient Care Process in Schools and Colleges of Pharmacy. AACP Annual Meeting. July 2017. Nashville, TN.
23. **Roth MT**. The Comprehensive Medication Management Patient Care Process: Establishing a Common Language to Advance Practice. A National Collaborative: Apexus, Alliance for Integrated Medication Management (AIMM), and the American Society of Health Systems Pharmacy (ASHP). Live webinar presentation. June 2017.
24. Blanchard C, Livet M, Ward C, **Roth MT**. Advancement of Comprehensive Medication Management in Primary Care through Active Implementation and Improvement Cycles. Toward a Carolina Improvement Science Initiative: A Lightning Symposium. UNC School of Education. Chapel Hill, NC. May 2017.
25. **Roth MT**. Short Presentations: Educating the Next Generation of Global Implementation Scientists: Issues and Priorities. Collaborations in Global Implementation Science Teaching. UNC Gillings School of Global Public Health. Chapel Hill, NC. May 2017.
26. **Roth MT**, Sorensen T. The \$300 Billion Opportunity. Eshelman Institute for Innovation Symposium. UNC Eshelman School of Pharmacy. Chapel Hill, NC. April 2017.
27. **Roth MT**. Singleton SF. Curriculum Transformation. University of Nebraska College of Pharmacy. January 2017. Omaha, NE.
28. **Roth MT**. Capitol Hill Briefing. Optimizing Medicine Use to Improve Health, Lower Costs: Integrating Pharmacy into Primary Care. Oct 2016, Washington DC.
29. **Roth MT**. Practice-Based Research and Implementation Science. Research and Scholarship Academy Certificate Program. ACCP Annual Meeting. Oct 2016. Hollywood, FL.
30. Blanchard C, **Roth MT**. Establishing a common language for comprehensive medication management: applying implementation science to the patient care process. ACCP Annual Meeting Oct 2016, Phoenix, AZ.
31. Sorensen T, **Roth MT**. Leveraging Metrics to Drive Comprehensive Medication Management. ACCP Annual Meeting. Oct 2016, Hollywood, FL.
32. **Roth MT**, Sorensen T. The CMM Study. ACCP Board of Regents and ACCP Research Institute Board of Trustees. Oct 2016. Hollywood, FL.
33. **Roth MT**, Sorensen T, Ward C. Implementation Science to Advance Comprehensive Medication Management in Primary Care. ACCP Annual Meeting Oct 2016, Hollywood, FL.
34. **Roth MT**. Expanding Roles for Pharmacists in Primary Care. Healthcare Workforce Innovations Meeting. Sept 2016. Houston, TX.
35. **Roth MT** Enhance Primary Care Medical Practice through Medication Optimization. MTM 2016. 2nd Annual Medication Therapy Management and Outcomes Summit. Baltimore, MD. Sept 2016.
36. **Roth MT**. Joint Commission of Pharmacy Practitioners. Annual Meeting. Bringing the Strategic Plan to Life-Perspectives from Researchers. November 17, 2015.
37. **Roth MT**, Sorensen T. American College of Clinical Pharmacy. Town Hall Discussion. ACCP Comprehensive Medication Management Grant. San Francisco, CA. October 2015.
38. **Roth MT**. McLaughlin J. American College of Clinical Pharmacy. Global Education Meeting. The Flipped Classroom Experience at the UNC Eshelman School of Pharmacy. San Francisco, CA. October 2015.

39. **Roth MT.** National Committee for Quality Assurance (NCQA) Quality Talks Presentation: Inspiring the Future of American Health Care. The \$200 billion opportunity: Getting Medicines Right. Newseum. Washington DC. November 2015. Published online November 2015.
<https://www.youtube.com/watch?v=gp6ziS00dP4> Accessed August 2017.
40. **Roth MT.** UNC Eshelman School of Pharmacy-Community Care of North Carolina-GlaxoSmithKline Partnership: Advancing Pharmacy Practice. World Congress. Philadelphia, PA. July 21-22, 2015.
41. **Roth MT,** Blouin RA. UNC Eshelman School of Pharmacy-Community Care of North Carolina-GlaxoSmithKline Partnership. AACP Interim Meeting, February 2015, Austin, TX.
42. **Roth MT.** UNC Eshelman School of Pharmacy's Role in CMMI award. Community Care of North Carolina Annual Meeting. October 2014. Raleigh, NC.
43. Sloane, A.B., McLaughlin, J.E., **Roth, M.** Effectively using student course evaluation results to improve course and instructor effectiveness. Assessment Institution Annual Meeting, Indianapolis, IN. October, 2013.
44. **Roth MT,** Singleton SF. Toward a Curriculum Transformation. Inaugural Preceptor and Partnership Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2013.
45. **Roth MT,** Rao K, Bates J, Buie L. Early Immersion: Pedagogical Philosophy and Practices. Inaugural Preceptor and Partnership Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2013.
46. **Roth MT,** Singleton SF. Executing a Transformative Curriculum: What it Looks Like. Second Annual Educational Renaissance Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2013.
47. **Roth MT,** Singleton SF. Framing the Foundational Year: Guiding Principles and Early Successes. Second Annual Educational Renaissance Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2013.
48. **Roth MT.** Defining Elements of Curriculum Transformation: Setting the Stage. Inaugural Educational Renaissance Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2012.
49. Roth MT. The Life Cycle of a Strategic Plan: From Environmental Scan to Assessment. AACP Annual Meeting, July 2014. Chicago, IL.
50. Roth MT. Curriculum Transformation. The Ohio State University College of Pharmacy. June 2014. Columbus, OH.
51. Roth MT. Keynote Speaker (Pharmacy). 2014 Innovation in Health Care Delivery Systems Symposium. Redefining Pharmacy Practice: The Job-To-Be-Done in an Evolving Health Care System. McCombs Healthcare Research Symposium. April 9-10, 2014. The University of Texas at Austin. Austin, TX.
52. Roth MT. Strategic Planning at the UNC Eshelman School of Pharmacy: Monitoring and Reporting. A Webinar to Taskstream Users. November 2013.
53. Roth MT. Keynote Speaker (panel of 4 keynote speakers). Advancing a Comprehensive and Consistent Practice for Clinical Pharmacists - The Time is Now. American College of Clinical Pharmacy Annual Meeting. October 2012. Hollywood, FL.
54. Roth MT. Medication Therapy Management and Drug Therapy Problems. Community Care of North Carolina (CCNC) Annual Meeting. October 2011. Greensboro, NC.
55. Roth MT. Newcomers Orientation. American College of Clinical Pharmacy Annual Meeting. October 2010. Austin, TX.
56. Roth MT. Newcomers Orientation. American College of Clinical Pharmacy Annual Meeting. October 2009. Anaheim, CA.
57. Roth MT. Designing an Elective Course for Pharmacy Students: If You Build It, They Will Come. American College of Clinical Pharmacy Annual Meeting. Louisville, KY. October 2008.

58. Roth MT. Medication Therapy Management: What is it? Where can I find it? Charlotte AHEC Continuing Education Program. Charlotte, NC. December 2006.
59. Roth MT. Medication Therapy Management: What is it? Where can I find it? Southern Regional AHEC Continuing Education Program. Fayetteville, NC. July 13, 2006.
60. Roth MT. Medication Therapy Management: What is it? Where can I find it? Wake AHEC Continuing Education Program. Raleigh, NC. April 27, 2006.
61. Roth MT. Medication Therapy Management: What is it? Where can I find it? 17th Annual Conference. Challenges in Geriatric Practice. The Friday Center, Chapel Hill, NC. February 17, 2006.
62. Roth MT. Everything You Ever Wanted to Know About Resubmissions of K Grants. UNC School of Medicine, K30 Clinical Research Curriculum. Chapel Hill, NC. January 6, 2006.
63. Roth MT. Drug Induced Cognitive Dysfunction and Extrapyrmidal Syndromes. UNC School of Medicine Morbidity and Mortality Conference. Chapel Hill, NC. November 10, 2005.
64. Roth MT. Basic Training for New Clinical Faculty and Preceptors. A Faculty Development Program. American College of Clinical Pharmacy. San Francisco, CA. October 22, 2005.
65. Roth MT. Understanding the Medicare Prescription Drug Coverage Program. North Carolina Association of Pharmacists and the University of North Carolina Continuing Education Program for Pharmacists. Fayetteville, NC. October 2, 2005.
66. Roth MT. Managing Polypharmacy in the Elderly. Wake AHEC Continuing Education Program. Raleigh, North Carolina. August 24, 2005.
67. Roth MT. Medications and the Older Adult: Something Old, Something New, Something Broken, Something Blue. Begin Again, Inc. (Nonprofit Widows Group). Ste. Genevieve, MO. May 2005.
68. Roth MT. Pharmacological Treatment of Dementia: Does it Work? 16th Annual Conference. Challenges in Geriatric Practice. The Friday Center, Chapel Hill, NC. February 16, 2005.
69. Roth MT. Prescription Assistance and Medication Therapy Management for Seniors in North Carolina. North Carolina Senior Care program. Chapel Hill, NC. January 2005.
70. Roth MT. An Update in Geriatric Pharmacotherapy. Wake AHEC Continuing Education Program. Raleigh, North Carolina. November 14, 2004.
71. Roth MT. The MATCH trial: Significant Papers in Pharmacotherapy. American College of Clinical Pharmacy Annual Meeting. Dallas, Texas. October 25, 2004.
72. Roth MT. Overuse of Medications in the Elderly. UNC School of Public Health Program on Health Outcomes Summer Outcomes Day. August 20, 2004.
73. Roth MT. Appropriate Medication Use in the Elderly. Department of Family Medicine Grand Rounds. April 30, 2004.
74. Roth MT. Medications and the Older Adult: Something Old, Something New, Something Broken, Something Blue. Best Practice in Caring for Older Adults. University of North Carolina at Chapel Hill School of Nursing. December 2003.
75. Roth MT. Medications and the Older Adult: Something Old, Something New, Something Broken, Something Blue. Workshop: The Nurses Toolbox: Care of the Older Adult. The Sheraton Chapel Hill Hotel. October 29, 2003.
76. Roth MT. Invited Faculty Facilitator. Teaching, Leading, Practicing EBM. A Workshop for Educators and Practitioners of Evidence-Based Medicine. Sponsored by the Duke University School of Medicine. R. David Thomas Executive Conference Center. Durham, NC. April 23-26, 2003.
77. Roth MT. Evidence-based Medicine for Seniors. Challenges in Geriatric Practice: 14th Annual Conference. The William and Ida Friday Center. Chapel Hill, NC. February 2003.
78. Roth MT. Seniors Tell Their Story. More Than Medicines: A Prescription for North Carolina Seniors. A Statewide Forum. December 2002. The Friday Center. Chapel Hill, NC.

79. Roth MT. More Than Medicines: A Prescription for North Carolina Seniors. A Statewide Forum. Program Co-coordinator and Presenter. The William and Ida Friday Center. Chapel Hill, NC. December 2002.
80. Roth MT. Arthritis Pharmacotherapy. Pharmacy Continuing Education Program, Fayetteville, NC. November 2002.
81. Roth MT. Health Literacy. UNC Program on Aging Lecture Series. November 2002.
82. Roth MT. Medicine Use by the Elderly: Lessons for Physicians, Pharmacists, and Other Health Advocates. The North Carolina Conference on Aging. Greensboro, NC. October 2002.
83. Roth MT. Rational versus Cost Effective Pharmacotherapy for Arthritis. The North Carolina Association of Pharmacists Convention and Carolina Seminar. Greensboro, NC. October 10, 2002.
84. Roth MT. Overview of COX-2 Inhibitors and Nonselective NSAIDs. American College of Clinical Pharmacy, Spring Meeting, Savannah, Georgia, April 2002.
85. Roth MT. Medication Management in Seniors: Clinical Pearls. Thirteenth Annual Geriatric Conference. UNC School of Medicine. February 2002.
86. Roth MT. Medication Management in the Elderly. Pharmacy Continuing Education Program, Greensboro, NC. January 2002.
87. Roth MT. Treatment of Hypertension in the Elderly. Pharmacy Continuing Education Program, Wilson, NC. November 2001.
88. Roth MT. Smoking Cessation: Opportunities for Pharmacists. American Society of Health System Pharmacists. Annual Meeting 2001. Los Angeles, CA, June 2001.
89. Roth MT. Smoking Cessation: Innovative Models for Pharmacy Practice. American College of Clinical Pharmacy, Annual Meeting 2000. Los Angeles, CA, November 2000.
90. Roth MT. Dietary Supplements: Challenges and Controversies. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. August 2000.
91. Roth MT. Herbal Medicine. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. May 2000.
92. Roth MT. Drug Interactions. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. April 2000.
93. Roth MT. Contemporary Issues in the Management of Osteoarthritis. American Pharmaceutical Association. Annual Meeting and Exposition 2000. Washington DC. March 2000.
94. Roth MT. Smoking Cessation: An Overview. Thirteenth Annual Addiction: Focus on Women Conference. Asheville, NC. May 1999.
95. Roth MT. Use of Zyban in Patients with Co-existing Medical and Psychiatric Disorders. Southern Society of General Internal Medicine, Platform presentation. Regional Meeting, March 1999.
96. Roth MT. Zyban: Non-nicotine Therapy for Smoking Cessation. Smoking Cessation Certificate Program for Pharmacists. Greensboro Area Health Education Center. Greensboro, NC. December 1998.
97. Roth MT. Zyban: Non-nicotine Therapy for Smoking Cessation. Smoking Cessation Certificate Program for Pharmacists. Durham-Chapel Hill Area Health Education Center. Chapel Hill, NC. October 1998.

Select Poster Presentations (Abstracts 2013-present)

- Hawes E, Lombardi B, Galloway E, Campbell H, Page C, **McClurg M.** Practicing Together: Where Are Pharmacists and Primary Care Providers Teaming up for Patient Access. Academy Health 2022.
- Livet, M., Blanchard, C., Sorensen, T., & McClurg, M.R. (2018, October). *An implementation system for pharmacy Practice: Operationalizing effective Comprehensive Medication Management delivery in primary care.* Poster at the American College of Clinical Pharmacy Global Conference. Seattle, WA.
- Livet, M., Blanchard, C., Yannayon, M., Roth McClurg, M., Sorensen, T. (2018, October). *Developing and validating a measure to assess progress and success with implementation of a pharmacy service to optimize medication use.* Encore Poster at the American College of Clinical Pharmacy Global Conference. Seattle, WA.

- Livet, M., Whittington, M., McClurg, M.R., & Sorensen, T. (October, 2018). *Enhancing performance in primary care medical practice through implementation of Comprehensive Medication Management*. Presentation delivered for the ACCP/Pharmacotherapy Journal Boards. Seattle, WA.
- Blanchard, C., Livet, M., Sorensen, T., & McClurg, M.R (2018, May). *Development of a self-assessment tool to measure fidelity to a pharmacy service to optimize medication use*. Poster at the PQA Annual Meeting, Baltimore, MD.
- Livet, M., Blanchard, C., Yannayon, M., McClurg, M.R., & Sorensen, T. (2018, May). *Developing and validating a measure to assess progress and success with implementation of a pharmacy service to optimize medication use*. Awarded Best Poster at the PQA Annual Meeting, Baltimore, MD.
- Livet, M., Sorge, L., Blanchard, C., Ward, C., McClurg, M.R., & Sorensen, T. (2018, February). *The role of improvement cycles in scaling up delivery of CMM in primary care settings*. Encore poster at the ACCP Updates in Therapeutics, Jacksonville, FL.
- Blanchard, C., Frail, C., Funk, C., Livet, M., Ward, C., Sorensen, T., & McClurg, M.R (2018, February). *Assessing fidelity through a Comprehensive Medication Management Self-Assessment tool*. Encore poster at the ACCP Updates in Therapeutics, Jacksonville, FL.
- Frail, C., Blanchard, C., Livet, M., Ward C., Sorensen, T., & McClurg, M.R (2018, February). *Developing a fidelity assessment system for Comprehensive Medication Management*. Encore poster at ACCP Updates in Therapeutics, Jacksonville, FL.
- Frail, C., **Blanchard, C.**, Funk, K., Roth McClurg, M., and Sorensen, T. “Identifying Best Practices in Documenting Comprehensive Medication Management.” Poster presented at American College of Clinical Pharmacy 2018 Global Annual Meeting. Oct. 2018; Seattle, Washington.
- Funk KA, Pestka, DL, McClurg MR, Carroll J, Sorensen TD. The Effect of Comprehensive Medication Management on Primary Care Providers’ Clinical Work and Professional Satisfaction. Storyboard presentation at Institute for Healthcare Improvement’s 30th Annual National Forum. Orlando, FL. December 2018.
- Funk KA, Pestka, DL, McClurg MR, Carroll J, Sorensen TD. The Effect of Comprehensive Medication Management on Primary Care Providers’ Clinical Work and Professional Satisfaction. Presented at American College of Clinical Pharmacy Patient-Centered Team-Based Practice Forum. Jacksonville, FL. February 2018.
- Liston R, Loskutova N, Perraillo M, **Roth McClurg M**, Sorensen T, Easter J, Zwaga D, Pace W, Carroll J. Key Performance Measures to Support the Value Proposition of Comprehensive Medication Management in Primary Care. North American Primary Care Research Group (NAPCRG) Annual Meeting. Montreal, Canada 2017
- Mendkoff J, Pestka DL, Frail CK, Sorge LA, Funk KA, Carroll J, Sorensen TD, **Roth McClurg M**. Assessing the state of comprehensive medication management in a sample of primary care clinics. ACCP Annual Meeting. Phoenix, AZ. October 2017.
- Pestka DL, Sorge LA, **Roth McClurg M**, Frail CK, Funk KA, Sorensen TD. The philosophy of practice of comprehensive medication management: Evaluating its meaning and application in practice. ACCP Annual Meeting. Phoenix, AZ. October 2017.
- Pestka DL, Frail CK, Sorge LA, Funk KA, **Roth McClurg M**, Sorensen TD. Developing a tool to assess the essential components of practice management for comprehensive medication management within primary care clinics. ACCP Annual Meeting. Phoenix, AZ. October 2017.
- Blanchard C, Frail CK., Funk KA., Livet M, Ward C, Sorensen TD, **Roth McClurg M**. Assessing Fidelity through a Comprehensive Medication Management Self-Assessment Tool. ACCP Annual Meeting. Phoenix, AZ. October 2017.

- Frail CK, Blanchard C, Livet M, Ward C, Sorensen TD, **Roth McClurg M**. Developing a Fidelity Assessment System for a Comprehensive Medication Management Service. ACCP Annual Meeting. Phoenix, AZ. October 2017.
- Livet M, Sorge L, Blanchard C, Ward C, **Roth McClurg M**, Sorensen TD. The role of improvement cycles in scaling up delivery of Comprehensive Medication Management (CMM) in primary care settings. ACCP Annual Meeting. Phoenix, AZ. October 2017.
- Xu J, **Roth McClurg M**, Lai S, Friedman A, Blouin RA. Cultivating an Innovative Mindset. AACP Annual Meeting. July 2017. Nashville, TN.
- Blanchard C, Livet M, Sorensen T, **Roth MT**. Advancing the Implementation of a Care Delivery Model: Application of the Active Implementation Frameworks. Global Implementation Conference. Toronto, Canada. June 2017.
- Blanchard C, Ward C, Sorensen T, **Roth MT**. Applying the Usable Innovation Framework to Identify Best Practices in Pharmacy. Global Implementation Conference. Toronto, Canada. June 2017.
- Livet M, Blanchard C, Sorensen T, **Roth MT**. The role of PDSA cycles in scaling up an innovative pharmacy practice in complex health systems: lessons learned. Global Implementation Conference. Toronto, Canada. June 2017.
- Pestka D, **Roth MT**, Sorge L, Mendkoff F, Sorensen T. Assessing the State of Comprehensive Medication Management Across Primary Care Clinics. University of Minnesota Research Day. Feb 2017.
- Blanchard C, Ward C, Sorge L, Livet M, Sorensen T, **Roth MT**. Advancing the Implementation of a Care Delivery Model: Application of the Active Implementation Frameworks. 9th Annual Conference Science of Dissemination & Implementation in Health (Academy Health and NIH). Dec 2016.
- Khanova J, McLaughlin JE, Rodgers JE, **Roth MT**. The Flipped Classroom: How Students Experience Learning. Monash Pharmacy Education Symposium. Prato, Italy, July 2014.
- **Roth MT**, Singleton S, Mumper R, Rodgers P, Cox W, Joyner P, Blouin R. Toward a Curriculum Transformation. Poster, AACP Annual Meeting (Poster). July 2014. Chicago, IL.
- Landis S, Woodall T, Galvin S, Plaut T, **Roth MT**. Enhanced Geriatric Care Using a Clinical Pharmacist Compared to Usual Care. Selected for Presidential Poster Session. 2014 Annual Scientific Meeting of the American Geriatrics Society. May 15-17, 2014. Orlando, FL. (Presidential Poster – selected posters)
- **Roth MT**, Singleton S., Rodgers PT, Lee C., McLaughlin JE, Moore J, Guidotti M, Joyner PU, Mumper RJ, Blouin RA. A systems approach to innovation in pharmacy education. American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL. July 2013.

TEACHING ACTIVITIES

DIDACTIC TEACHING

Course Director (2022-present)

Course: PHCY 501 On Becoming a Pharmacist

Dates: Fall Semester: 2022-present

*Required PharmD course

Co-Director (beginning in Spring 2023)

Course: Hot Topics in Ambulatory Care (*Chapel Hill-based course*)

Dates: Spring semester 2023

*PharmD Elective Course

Course Liaison, Chapel Hill (2019-2021)

March 2022

Course: PHCY 501 On Becoming a Pharmacist

Dates: Fall Semester: 2019, Fall 2020, Fall 2021

*Required PharmD course

Course Coordinator (2014-2017)

Course: PHCY 501 On Becoming a Pharmacist

Dates: Fall Semester: 2015 (145 students), 2016 (143 students), 2017 (155 students)

*Required PharmD course

Course: Independent Study: Pharmacy Practice Innovations

Dates: Fall Semester 2015 (Hugh Heldenbrand)

Additional teaching responsibilities as course coordinator (2009-2013)

PHCY 830 The Leadership Challenge, Elective, PharmD (fall 2011)

PHCY 434 Pharmacy Practice Management, Required, PharmD (2009-2010)

DPOP 872 Proposal Writing, Required, PhD (2010)

DPOP 899 Pharmaceutical Outcomes and Policy Seminar, Required PhD (2007-2009)

Lecturer, Teaching (2014-present)

Course: PHCY 632 Research and Scholarship in Pharmacy Honors program (*15 contact hours/8-week semester*)

Date: Spring 2017, Fall 2017 (2 students); Spring/Fall 2019-present (1 student)

*Elective Honors program

Course: PHCY 501 On Becoming a Pharmacist (*16.25 contact hours/fall semester*)

Dates: Fall Semester: 2015 (145 students), 2016 (143 students), 2017 (155 students), 2018 (150 students), 2019 (150 students)

*Required PharmD course

Course: *Independent Study* CMMI Pharmacy Practice Innovations (*12 contact hours/semester*)

Dates: Fall 2015 (1 student, Hugh Heldebrand)

*Elective

Course: DPOP 806 Pharmaceutical Policy Course (*3 contact hours*)

Dates: Fall 2014 (8 students)

*Required Graduate (Masters) course

Course: PACE 806 Medication Therapy Management (*3 contact hours/semester*)

Dates: Fall 2013 (20 students), Fall 2014 (18 students), Spring 2016 (21 students), Spring 2017 (20 students)

*Elective

Course: PACE 805 Evaluation Research and Project Design (*2 contact hours/semester*)

Dates: Fall 2014 (7 students), Fall 2015 (8 students), Fall 2016 (9 students), Fall 2017 (8 students), Fall 2018 (10 students)

*Required Graduate (Masters) course

Course: PY4 APPE Rotations (4-week elective in Academia)

Dates: September 2014 (1 student, Ben Pennell)

March 2022

*Elective PharmD rotation experiential education

Course: PY4 APPE Rotations (4-week elective in Academia)

Dates: October 2014 (1 student, Alex Sherman)

*Elective PharmD rotation experiential education

Course: PY4 APPE Rotations (4-week elective in Academia)

Dates: February 2017 (1 student, Felix Lam)

*Elective PharmD rotation experiential education

Course: DPOP 872 Proposal Writing

Dates: Spring 2011, Spring 2012

*Required PhD Graduate course

Course: EPID 806 Clinical Research Skills

Dates: Spring 2009, 2010, 2011, 2012

*Required, UNC School of Medicine Masters in Clinical Research Course

Course: PHCY 431 Health Systems

Dates: Fall 2010, 2011

*Required PharmD course

Course: PHCY 434 Pharmacy Practice management

Dates: Spring 2011

*Required PharmD course

Course: PHCY 433 Drug Literature Evaluation

Dates: Fall 2008, 2009, 2010, 2011

*Required PharmD course

Course: PHCY 801 Ethical Dilemmas in Research

Dates: Fall 2008, 2009

*Required PhD Graduate course

EXPERIENTIAL TEACHING (beginning in 2022-2023)

Course: Academic Rotation

Dates: Beginning 2022-2023

*PharmD Elective Rotation

MENTORING AND ADVISING

Doctor of Pharmacy Honors Program-Research and Scholarship in Pharmacy (RASP)

Diana Lee, PharmD Candidate, Class of 2021 (Spring 2019-2021)

Research Project: Design of a Cultural Intelligence Framework for the UNC Eshelman School of Pharmacy

Kristen Wines, PharmD Candidate, Class of 2019 (Spring 2017-2019)

Research Project: Assessing the Role of Implementation Drivers in the Delivery of Comprehensive Medication Management in Primary Care

March 2022

Jimmy Xu, PharmD Candidate, Class of 2019 (Spring 2017-2019)
Research Project: Assessing Patient Responsiveness and Engagement in Comprehensive Medication Management in Primary Care

Campbell Mentoring Program

Nicki Pinelli, PharmD, MS (2013-2016)
Clinical Assistant Professor

Jena Ivey Burkhart, PharmD (2012-2013)
Clinical Assistant Professor

Center for Medication Optimization through Practice and Policy (CMOPP) Student Roundtable

Monthly evening program for professional students, graduate students, residents, and fellows interested in engaging in monthly discussions around emerging topics in health care and pharmacy practice. Meetings are held in CMO and attract 30-40 students.

Post-doctoral Fellows

Carrie Blanchard, PharmD (2016-present)
Implementation Science
Note: also a 2017 Walmart Scholar winner

Adam Friedman, PhD (2015-2017)
Eshelman Institute for Innovation

Joe Moore, PharmD (2015-2016)
Eshelman Institute for Innovation

Patrick Brown, PharmD (2014-2015)
Practice Innovations

Jacqui McLaughlin, PhD (2012-2013)
Office of Strategic Planning and Assessment

Graduate Students

Carrie Blanchard, PharmD, MPH Candidate (2016-present)
Masters Public Health with concentration in Implementation Science
Master's Thesis: *Developing a Common Language for the Comprehensive Medication Management Patient Care Process*

Kayley Lyons, PharmD, PhD Candidate
Seeking PhD in Education through the UNC School of Education
Program mentor for graduate research assistantship in the UNC Eshelman School of Pharmacy

Amica Simmons Yon, PhD Candidate
Division of Pharmaceutical Outcomes and Policy
Chair, Dissertation Committee
Dissertation topic: *The Role of Spirituality on Medication Adherence and Blood Pressure in Older Adults*
Completion: December 2012

Julie Lauffenburger, PhD Candidate
Division of Pharmaceutical Outcomes and Policy
Chair, Student Advisory Committee. May 2010-2011

Kristen Geonnotti, PhD Candidate
Health Policy and Management
Member, Dissertation Committee
Dissertation topic: *The impact of optimal plan enrollment and out-of-pocket costs on Medicare Part D beneficiaries*
Completion: May 2010

UNC PGY2 Geriatric Specialty Residency

Ginny Crisp, PharmD
Mentor, Residency Research Project
Project: *Development and testing of a tool for assessing and resolving medication-related problems in older adults in an ambulatory care setting: the individualized medication assessment and planning (iMAP) tool (published)*
Completion: June 2011

Geriatric Specialty Pharmacy Residents (Role: Clinical Residency Director, Preceptor)

Geriatric Pharmacy Residency, UNC School of Pharmacy, 7/01 - 6/05
Resident, 2001 - 2002: Jessica Visco, PharmD
Resident, 2003 – 2004: Noll Campbell, PharmD
Resident, 2004 – 2005: Jena L. Ivey, PharmD

Ambulatory Care Specialty Pharmacy Residents (Role: Residency Director and Preceptor)

Ambulatory Care Residency, Durham VA Medical Center and UNC School of Pharmacy, 7/99 - 6/01
Resident, 2000 - 2001: S. Dee Melnyk, PharmD
Resident, 1999 - 2000: Miranda Andrus, PharmD

Albert Schweitzer Fellowship Program (Role: Mentor)

Amber McClendon, Schweitzer Fellow, PharmD Candidate, 5/03 - 12/04
Project: *Prescription Assistance for Seniors in Orange County*
Mentor, Jena Ivey, Schweitzer Fellow, PharmD Candidate, PY3, 5/02 - 5/03
Project: Self-reported Medication Use in Older Adults

Doctor of Pharmacy Students Engaged in Research (Role: Supervisor and Mentor)

Callie Chen, Program staff 2009- 2011 (10-20 hours/week)
Adam Vanderman, Program staff 2009-2011 (10 hours/week)
Ryan Owenby, Program staff 2006-2008; Research Assistant, 2008-2010 (10-30 hours/week)
Susan Herndon, Project manager, 2003-2006 (15-30 hours/week)
Jennifer Sarda, Program staff, 2004-2005 (10 hours/week)
Jenny McGuire, Program staff, 2005-2006 (10-15 hours/week)
Glenda Shell, Program staff, 2005-2006 (5-10 hours/week)

GRANTS AND RESEARCH FUNDING

ACTIVE RESEARCH SUPPORT

Hawes E, Lombardi B, Galloway E, Campbell H, Page C, **McClurg M**. Co-location of Pharmacists with Primary Care Providers: An Analysis of NPI vs Other Data Sources. \$50,000 (2% effort). US Health Resources and Services Administration (HRSA). September 2021-August 2022.

Kiser S, Scott M, McClurg M, Armistead L, Sorenson T. Patient Centered Needs Assessment to Optimize Medication Use & Chronic Care Management in Western North Carolina. \$399,279 (2% effort). Dogwood Health Trust Foundation grant. January 2022-December 2023.

EXPIRED RESEARCH SUPPORT

Transforming Primary Care through Comprehensive Medication Management. Roth MT (PI), Sorensen T, Carroll J, et al. \$2.4M. American College of Clinical Pharmacy (ACCP). January 2016 – December 2019. Percent effort ranged 20%-30% over time of award.

Transforming Primary Care through Comprehensive Medication Management: Building the Technologies and Business Case to Scale and Sustain Services. Roth MT (PI), Sorensen T, Easter J. Eshelman Institute for Innovation. \$500,000. July 2016-June 2018. Percent effort 10%.

Transforming Clinical Practice Initiative (TCPI)-Practice Transformation Networks (PTN) Levis Hewson D (PI) and Community Care of North Carolina. Total award: \$18 million; UNC Subcontract \$500,000, Roth MT (PI). Center for Medicare and Medicaid Innovation (CMMI). 2015-2018. Percent effort 10%.

Community Care of North Carolina. Optimizing the Medical Neighborhood: Transforming Care Coordination through the North Carolina Community Pharmacy Enhanced Services Network. Trygstad and Community Care of North Carolina. Total award: \$15,106,050. UNC Subcontract \$1.3 million. Farley J (PI subcontract), Roth MT (co-I). Center for Medicare and Medicaid Innovation (CMMI). September 2014-December 2017. Percent effort ranges 5%-50% over life of award (changed annually depending on work).

Re-engineering Experiential Education: Toward Interprofessional Education and Practice. McLaughlin (PI), Roth MT, Scott M, Rodgers P, Latessa R, Zomorodi M. \$50,000 (direct costs). Funded effort 3%. AHEC Seed Grant program. April 2015-March 2016.

Executing a transformative curriculum. A Proposal for Consideration by the Pharmacy Network Foundation, Inc. Roth MT (PI), Mumper R, Blouin RA. \$750,000 direct costs over 5 years. Effort: 20% (funded 0%). Pharmacy Network Foundation. March 2015-2020.

Layered Learning Practice Models: A Qualitative Study. Pinelli N (PI), Vu M, Eckel S, Weinberger M, Roth MT (Co-I). \$25,000 (direct costs). Effort 5%; Funded effort 0%. American Society Health Systems Pharmacists. July 2013-2014.

Enhanced Primary Care in a Retirement Community Using a Clinical Pharmacist. Landis S, Roth MT (co-I), Woodall T, Esserman D, Plaut T. \$45,000 (direct costs). Effort 5%; Funded effort 0%. CMS Practice Change Leaders Program. 2012-2013.

Programmatic Description of the UNC Charity Care Pharmacy Assistance Program. Farley J, Crisp G, Savage S, Roth MT (co-I), Weinberger M. \$32,000 (direct costs. Effort: 5%; Funded effort 0%). TraCS Pilot award. NIH Clinical and Translational Science Award (CTSA). 2012-2013.

Toward an Educational Renaissance: The Role of Lecture Capture in Fostering Innovative Learning Environments for Aspiring Health Professionals. Green C, Roth MT (co-I), Mumper R. \$10,000 (direct costs). Effort: 10%. Funded effort: 0%. ECHO 360. 2011.

Improving the Quality of Medication Use in Older Adults. Roth MT (PI). \$699,170. Funded effort: 75% for 4 years; 20-60% year 5. National Institute on Aging (NIA) K23 Research and Career Development Award. May 2006-December 2012.

Enhancing Quality in Psychiatry Using Pharmacists (EQUIPP). Watson L, Roth MT (Co-I), Hansen RA, Ivey JL, Lewis C, Esserman D, Weinberger M. \$140,000. Effort: 10%; Funded effort: 0%. UNC School of Medicine. Jan 2008-July 2009.

Preventing Falls through Enhanced Pharmaceutical Care. Runyan C, Blalock S, Ferreri S, Casteel C, Roth MT (Co-I). \$736,093. Funded effort: 8%; Centers for Disease Control, Injury Control Research Center. Grant number: October 2004-July 2009.

Development and Implementation of a Medication Management Program for Seniors. Roth MT (PI and Project Lead). \$403,000. Funded effort: 20%. The Duke Endowment. July 2005-June 2008.

Medicare Outreach in Orange County, North Carolina. Roth MT (PI). \$10,000. Department of Health and Human Services. Effort: 10%; Funded effort 0%. July 2005-June 2006.

The Quality of Medication Use in Older Adults. Roth, MT (PI), Campbell B, Murray M, Weinberger M, Sloane P, Moore, C. \$43,886. Effort 10%; Funded effort 0%. American College of Clinical Pharmacy. June 2004-2006.

Prescription Drug Assistance for Seniors in North Carolina. Roth MT (PI). \$256, 846. Effort 10%; Funded effort 0%. North Carolina Health and Wellness Trust Fund Commission. January 2003-2006.

Self-reported Medication Use in Community-Dwelling Older Adults. Roth MT (PI). \$3,000. Funded effort: 0%. Albert Schweitzer Fellowship Program. May 2002-2003.

Use of Zyban in Patients with Underlying Medical and Psychiatric Conditions. Roth MT (PI). \$6,000. Funded effort: 0%. Glaxo Wellcome. December 1999-2000.

PROFESSIONAL SERVICE

NATIONAL

National Associate Science, Engineering and Medicine (NASEM)

Nominated/Selected to Committee on Improving High Quality Primary Care	2020-2021
<u>The National Committee for Quality Assurance (NCQA)</u>	
Invited member: Medication Adherence Toolkit Expert Panel	2017
<u>Get the Meds Right (GTMRx) Foundation</u>	
Fellow	2021
Member	2018 - present
Co-Lead, Practice Integration Workgroup	2018 - 2020
<u>American College of Clinical Pharmacy</u>	
Member	1994 - present
Editorial Board, Journal of the American College of Clinical Pharmacy	2019 - present
Member, Nominations Committee	2016 - 2017
Appointed, Research Institute Board of Trustees	2010 - 2012
Treasurer	2011 - 2012
American College of Clinical Pharmacy	
Elected Secretary, Board of Regents	2005 - 2008
Elected Fellow of the College	2004
ACCP Delegate, Pharmacy Profession Stakeholders	5/04
Conference on Medication Therapy Management	
Fall 2015 Global Education Committee	2014 - 2015
Frontiers Fund Committee	2004 - 2010
Search Committee, ACCP Executive Director Search	10/02 - 4/03
Member, ACCP Strategic Planning Retreats	2002
Chair, Program Committee, Annual Meeting 2002	2001 - 2002
Chair, Education and Training PRN	2002 - 2003
Chair, Ambulatory Care PRN	2003 - 2004
Member, Publications Committee	1999 - 2000
Member, Educational Affairs Committee	1996 - 1997
<u>Agency HealthCare Research Quality (AHRQ)</u>	
Member, AHRQ Comparative Effectiveness Evidence-based Healthcare Pharmacy Workgroup	2010 - 2013
<u>Patient-Centered Primary Care Collaborative</u>	
Member, Medication Management Taskforce	2011 - 2012
<u>Pharmacy Quality Alliance (PQA)</u>	
Patient Satisfaction Work Group	2006
Medication Therapy Management Work Group	2008 - 2011
Medication Management in Integrated Care Teams	2014
Medicare Part D Drug Therapy Problem Resolution	2015 - 2016
<u>American Geriatrics Society</u>	
Member	2002 - 2010
Clinical Practice Committee	2006

Journal Reviewer

Journal of the American College of Clinical Pharmacy 2019 - present
 Pharmacotherapy
 Journal of the American Geriatrics Society
 American Journal of Pharmaceutical Education

American Association of Colleges of Pharmacy

Member 1994 - present
 Co-chair, Catalyst Team for Accelerating Change in Practice and Education 2017 - 2018
 Member, Taskforce for Accelerating Change in Practice and Education 2015 - 2016
 Contributor, Educational Outcomes and Objectives Supplement 6/06 - 7/06
 Delegate, UNC School of Pharmacy 2002 - 2003
 Educational Resources Subcommittee 1996 - 1997

STATE OF NORTH CAROLINA

Triangle College of Clinical Pharmacy

Member 1998 - 2005
 President 2002 - 2003
 President-Elect 2001 - 2002

North Carolina Association of Pharmacists

Member 2021 (did not renew)
 Member 2002, 2005-2006, 2010
 Chair, Clinical Pharmacist Practitioner Committee 2002

Orange County, North Carolina

Chair (3-year term), Executive Committee, Wellness Advisory Board 2005 - 2006
 of Orange County Department on Aging, Chapel Hill, NC
 Member, Master Aging Plan for Orange County 2005 - 2006
 Member, Wellness Advisory Board 2002 - 2006

UNIVERSITY OF NORTH CAROLINA

University-wide

Member, University Teaching Awards 2020, 2021
 Member, Provost's Task Force on Promotion and Tenure 2019
 Internal Reviewer, Division of Physical Therapy, Department of Allied Sciences 2020

 Member, Advisory Team for Development of Carolina's Strategic Plan 2020 2019
 Member, Chancellor's Task Force on Healthcare 2017
 Member, Provost's Committee on Assessment of Student Learning 2015 - 2016
 Advisory Committee, UNC Center for Faculty Excellence 2013 - 2015
 Advisory Committee, UNC Interdisciplinary Certificate in Aging Program 2001 - 2010

UNC Eshelman School of Pharmacy

Member, Full Professors Committee 2017 - present
 Member, Executive Committee 2018 - present
 Member, Dean's Council 2021 - present
 Member, Financial Strategy Committee (formerly Budget Committee) 2019 - present

Chair, Education Advisory Committee	2020 - 2021
ESOP Strategic Planning Task Force	2020 - 2021
Member, CMO Telehealth Advisory Committee	2019 - 2020
Associate Director, Eshelman Institute for Innovation	2016 - 2018
Member, Eshelman Institute for Innovation Leadership Team	2015 - 2019
Member, Curriculum Advisory Team (formerly Curricular Oversight Team)	2017 - 2019
Chair, Curriculum Transformation Steering Committee	2012 - 2015
Member, Curriculum Transformation Steering Committee	2012-2017
Member, Nominations Committee	2014 – 2018
Member, Curriculum Design and Execution Committee	2013 - 2014
Assessment Committee	2014 - 2014
Foundational Content Committee	2013
Chair, Educational Research Review Committee	2013 - 2014
Advisor, UNC Eshelman School of Pharmacy (currently class 2022, class of 2023)	2013 -present
Faculty Participant, Candidates Day (participate 2-3 times per year MMIs)	2013 - present
Secretary of the Faculty	2010-2012
Chair, Curriculum Transformation Steering Committee	2012
Co-chair, Strategic Planning Working Group	2011
Co-Chair, Research Committee, UNC Partnership in Patient Care	2008 - 2011
Member, Assessment Committee	2011 - 2011
Member, Graduate Program Committee (Business Model)	2011
Member, Curriculum and Assessment Committee	1998 – 2012
Ad Hoc Member, Curriculum and Assessment Committee	2013 - 2014
Chair, Search Committee, Partnership in Patient Care Research position	2012
Member, Strategic Planning Committee	2005 - 2006
Member, ACPE 2006 Re-accreditation Committee	2005 - 2006
Member, Appointment, Reappointment, Promotion and Tenure Committee	2005 - 2006
Member, Program on Enhancing Education through Technology	2001 - 2004
Faculty Advisor, Geriatric Interest Group	2004 - 2006
Faculty Advisor, Incoming students	2002 - 2006, 2008
Faculty Advisor, Christian Pharmacy Student Fellowship	2000 - 2001
Volunteer, UNC Mobile SHAC, Medicine Program	2002 - 2003
Volunteer, Chapel Hill Homeless Shelter Medication Clinic	1998 - 2002

UNC Institute on Aging

Member, North Carolina Healthy Aging Network	2004 - 2006
--	-------------

UNC School of Medicine, Division of Geriatric Medicine

Member, Annual Geriatric Conference Planning Committee	2001 - 2006
--	-------------

PROFESSIONAL AFFILIATIONS

American College of Clinical Pharmacy
 American Association of Colleges of Pharmacy
 Get the Medications Right Institute (GTMRx)