

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

**PERSONAL INFORMATION**

Work Address

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

Home Address

14004 Reynolds Court  
Chapel Hill, NC 27517  
Phone: (919) 960-2517

Marital Status: Married (2004) to Bob McClurg  
Children: Ellie Katherine (6)

**EDUCATION AND TRAINING**

Faculty Administrators Development Program (FADP) 9/13 - present  
UNC Center for Faculty Excellence  
University of North Carolina. Chapel Hill, NC

Fellow and Scholar, Clinical Research Curriculum, NIH K30 Program 8/02 - 7/06  
School of Medicine, University of North Carolina. Chapel Hill, NC

Master of Health Sciences in Clinical Research 8/99 - 9/02  
School of Medicine, Duke University, Durham, NC

Pharmacy Practice Resident 7/94 - 6/95  
Saint Louis College of Pharmacy, St. Louis, MO

Doctor of Pharmacy 5/93 - 5/94  
Saint Louis College of Pharmacy, St. Louis, MO

Bachelor of Science in Pharmacy 8/88 - 5/93  
Saint Louis College of Pharmacy, St. Louis, MO

Licensure: North Carolina (14214), Missouri (PHA 043727)  
Certification: Commission for Certification in Geriatric Pharmacy (1072), 2004-2008

**PROFESSIONAL EXPERIENCE**

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

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

Interim Director, Office of Assessment UNC Eshelman School of Pharmacy University of North Carolina, Chapel Hill, NC	9/10 - 12/10
Associate Professor Division of Pharmaceutical Outcomes and Policy UNC Eshelman School of Pharmacy University of North Carolina, Chapel Hill, NC.	11/09 - present
Assistant Professor Division of Pharmaceutical Outcomes and Policy UNC Eshelman School of Pharmacy University of North Carolina, Chapel Hill, NC	7/05 - 10-09
Assistant Professor Division of Pharmacotherapy, School of Pharmacy UNC Eshelman School of Pharmacy University of North Carolina, Chapel Hill, NC	11/02 - 6/05
Research Assistant Professor Division of Geriatric Medicine Department of Medicine, School of Medicine University of North Carolina, Chapel Hill, NC	9/05 - present
Clinical Assistant Professor Division of Pharmacotherapy, School of Pharmacy University of North Carolina, Chapel Hill, NC	2/98 - 10/02
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 AND AWARDS

Junior Faculty Development Award <i>UNC Provost's Office (\$7500 toward research)</i>	2007
Phi Lamda Sigma Pharmacy Leadership Society	2006
Gordon H. DeFries Career Development in Aging Research Award <i>UNC Institute on Aging (\$5000 toward research)</i>	2006
Fellow, American College of Clinical Pharmacy	2004

## GRANTS AND RESEARCH FUNDING

1. Pending: **Roth MT (PI)** Collaborators: Ed Tech R&D staff, Curriculum Design and Execution Committee. Pharmacy Network Foundation, Inc. Executing a Transformative Curriculum. Submitted February 2014. \$3,080,600 (50% match). Proposed funded effort: 20%.
2. Pending: Trygstad T (co-PI), Farley J (co-PI), **Roth MT**, Ferreri S, Community Care of North Carolina. Optimizing the Medical Neighborhood: Transforming Care Coordination Through the North Carolina Community Pharmacy Enhanced Services Network. \$15,106,050. Proposed funded effort: 10%.
3. Pinelli N (PI), Vu M, Eckel S, Weinberger M, **Roth MT**. Layered Learning Practice Models: A Qualitative Study. American Society Health Systems Pharmacists. July 2013. \$25,000. Funded 0%.
4. Landis S, **Roth MT**, Woodall T, Esserman D, Plaut T. Enhanced Primary Care in a Retirement Community Using a Clinical Pharmacist. 2013 CMS Practice Change Leaders Program, Funded November 2012. \$45,000. Funded 0%.
5. Farley J, Crisp G, Savage S, **Roth MT**, Weinberger M. Programmatic Description of the UNC Charity Care Pharmacy Assistance Program. TraCS Pilot award. NIH Clinical and Translational Science Award (CTSA). Funded 2012. \$32,000. Funded 0%. Grant 550KR21209.
6. Green C, Roth MT, Mumper R. Toward an Educational Renaissance: The Role of Lecture Capture in Fostering Innovative Learning Environments for Aspiring Health Professionals." 2011, ECHO 360. \$10,000. Funded: 0%.
7. Roth MT (PI). *Improving the Quality of Medication Use in Older Adults*. National Institute on Aging (NIA) K23 Research and Career Development Award. Award period: 5/2006 - 12/2012; \$699,170. Funded 75% for 4 years; 20-60% year 5.
8. Watson L, MD (PI), Roth MT, PharmD (Co-Investigator), Hansen RA, PhD, Ivey JL, PharmD, Lewis C, MD, Esserman D, PhD, Weinberger M, PhD. UNC School of Medicine. *Enhancing Quality in Psychiatry Using Pharmacists (EQUIPP)*. Award period: 1/2008 - 7/2009;\$140,000.
9. Runyan C, (Principal Investigator), Blalock S (Project Leader), Ferreri S, Casteel C, Roth MT (Co-Investigator, 8% effort). *Preventing Falls through Enhanced Pharmaceutical Care*. Centers for Disease Control, Injury Control Research Center. Grant number: U49 CE00136. Award period: 10/1/2004 - 7/31/2009; \$736,093.
10. Roth MT (Principal Investigator and Project Leader). *Development and Implementation of a Medication Management Program for Seniors*. The Duke Endowment. Grant number: 5479-SP. Award period: 7/1/2005 - 6/30/2008. Award: \$403,000.
11. Roth MT (Principal Investigator). *Medicare Outreach in Orange County, North Carolina*. Department of Health and Human Services. Grant number: 90005451. Award period: 7/1/2005 - 6/30/2006. Award: \$10,000.

12. Roth, MT (Principal Investigator), Campbell B, Murray M, Weinberger M, Sloane P, Moore, C. *The Quality of Medication Use in Older Adults*. American College of Clinical Pharmacy. Award period: 6/2004 - 6/2006. Award: \$43,886.
13. Roth MT (Principal Investigator). *Prescription Drug Assistance For Seniors in North Carolina*. North Carolina Health and Wellness Trust Fund Commission. Award period: 1/2003 - 1/2006. Award: \$256,846.
14. Roth MT. *Self-reported Medication Use in Community-Dwelling Older Adults*. Albert Schweitzer Fellowship Program. Award period: 5/2002 - 5/2003. Award: \$3,000.00.
15. Roth MT (Principal Investigator). *Use of Zyban in Patients with Underlying Medical and Psychiatric Conditions*. Glaxo Wellcome. Award period: 12/1999 - 12/2000. Award: \$6,000.00.

## PUBLICATIONS

### Peer-reviewed Publications

1. Crisp GD, Roberts AW, Esserman DA, **Roth MT**, Weinberger M, Farley J. The UNC Health Care Pharmacy Assistance Program. NCMJ. In Press.
2. Roberts AW, Crisp GD, Esserman DA, **Roth MT**, Weinberger M, Farley J. Patterns of Adherence and Health Service Utilization among Patients with Chronic Health Conditions Enrolled in a Hospital Pharmacy Assistance Program. NCMJ. In Press.
3. **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.
4. 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
5. 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.
6. 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
7. 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.
8. 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.
9. Hansen RA, Esserman DA, **Roth MT**, Lewis C, Ivey Burkhart 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.
10. 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.
11. **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.
12. 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.

13. Lauffenburger JC, Vu MB, Burkhart 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.
14. Crisp GD, Burkhart 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.
15. Casteel C, Blalock SJ, Ferreri S, Roth MT, Demby KB. Implementation of a Community Pharmacy-Based Falls Prevention Program. *Am J Geriatr Pharmacother*. 2011 Oct;9(5):310-9. Epub 2011 Sep 16.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. Roth MT, Zlatic T. Development of Student Professionalism Pharmacotherapy 2009;29(6):749-756.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.

30. 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.
31. Roth, MT, Ivey JL. Self-reported Medication Use in Community-Residing Older Adults: A Pilot Study. *Am J Geriatr Pharmacother.* 2005;3:196-204.
32. Roth M, Westman EC. Outcomes from an outpatient smoking cessation clinic. *Pharmacotherapy.* 2005;25(2):279-288.
33. Roth M. Osteoporosis Guidelines. *Clinical Reviews in Bone and Mineral Metabolism.* 2004;2(4):315-324.
34. 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.
35. Dornbrook-Lavender KA, Roth MT, Pieper JA. Secondary prevention of coronary heart disease in the elderly. *Ann Pharmacother.* 2003 Dec;37(12):1867-1876.
36. Dornbrook-Lavender KA, Pieper JA, Roth MT. Primary prevention of coronary heart disease in the elderly. *Ann Pharmacother.* 2003 Nov;37(11):1654-1663.
37. Carroll DN, Roth MT. Evidence for the Cardioprotective Effects of Omega-3 Fatty Acids. *Ann Pharmacotherapy.* 2002;36(1):1950-1956.
38. Roth MT, Westman EC. Asthma exacerbation after administration of nicotine nasal spray for smoking cessation. *Pharmacotherapy.* 2002;22(6):779-782.
39. Andrus MR., Roth MT. Health Literacy: A Review. *Pharmacotherapy* 2002;22(3):282-302.
40. Roth MT, Westman EC. Use of Bupropion SR in a Pharmacist-Managed Outpatient Smoking Cessation Program. *Pharmacotherapy.* 2001;21(5):636-641.
41. Tangeman H, Roth MT. Helicobacter pylori in the Treatment of Peptic Ulcer Disease. *Journal of Pharmacy Practice.* 1999; 12(5):380-390.

### **Peer-reviewed Book Chapters**

1. 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.
2. Roth MT. Falls Prevention. In: *Pharmacotherapy Self-Assessment Program: Geriatrics and Special Populations.* Fifth edition. American College of Clinical Pharmacy. 2004, p 1-20.
3. Roth MT. Teaching Urinary Tract Anti-Infective Therapy. In: Zlatic TD, ed. *Developing Thinking Abilities Within Pharmacy Education.* Saint Louis: 1996, p 119-135.
4. Roth MT. Drug Therapy for Helicobacter pylori. *Facts and Comparisons* 1996.

### **Non-refereed Publications**

1. **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.
2. Roth MT. Healthcare Literacy. *PharmaVOICE.* January/February 2002;2(1):10-25.
3. 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.

### **INVITED PRESENTATIONS**

1. Keynote Speaker. 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.

2. Strategic Planning at the UNC Eshelman School of Pharmacy: Monitoring and Reporting. A Webinar to Taskstream Users. November 2013.
3. 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.
4. Medication Therapy Management and Drug Therapy Problems. Community Care of North Carolina (CCNC) Annual Meeting. October 2011. Greensboro, NC.
5. Newcomers Orientation. American College of Clinical Pharmacy Annual Meeting. October 2010. Austin, TX.
6. Newcomers Orientation. American College of Clinical Pharmacy Annual Meeting. October 2009. Anaheim, CA.
7. 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.
8. Medication Therapy Management: What is it? Where can I find it? Charlotte AHEC Continuing Education Program. Charlotte, NC. December 2006.
9. Medication Therapy Management: What is it? Where can I find it? Southern Regional AHEC Continuing Education Program. Fayetteville, NC. July 13, 2006.
10. Medication Therapy Management: What is it? Where can I find it? Wake AHEC Continuing Education Program. Raleigh, NC. April 27, 2006.
11. Medication Therapy Management: What is it? Where can I find it? 17<sup>th</sup> Annual Conference. Challenges in Geriatric Practice. The Friday Center, Chapel Hill, NC. February 17, 2006.
12. 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.
13. Drug Induced Cognitive Dysfunction and Extrapyrarnidal Syndromes. UNC School of Medicine Morbidity and Mortality Conference. Chapel Hill, NC. November 10, 2005.
14. Basic Training for New Clinical Faculty and Preceptors. A Faculty Development Program. American College of Clinical Pharmacy. San Francisco, CA. October 22, 2005.
15. 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.
16. Managing Polypharmacy in the Elderly. Wake AHEC Continuing Education Program. Raleigh, North Carolina. August 24, 2005.
17. Medications and the Older Adult: Something Old, Something New, Something Broken, Something Blue. Begin Again, Inc. (Nonprofit Widows Group). Ste. Genevieve, MO. May 2005.
18. Pharmacological Treatment of Dementia: Does it Work? 16<sup>th</sup> Annual Conference. Challenges in Geriatric Practice. The Friday Center, Chapel Hill, NC. February 16, 2005.
19. Prescription Assistance and Medication Therapy Management for Seniors in North Carolina. North Carolina Senior Care program. Chapel Hill, NC. January 2005.
20. An Update in Geriatric Pharmacotherapy. Wake AHEC Continuing Education Program. Raleigh, North Carolina. November 14, 2004.
21. The MATCH trial: Significant Papers in Pharmacotherapy. American College of Clinical Pharmacy Annual Meeting. Dallas, Texas. October 25, 2004.
22. Overuse of Medications in the Elderly. UNC School of Public Health Program on Health Outcomes Summer Outcomes Day. August 20, 2004.
23. Appropriate Medication Use in the Elderly. Department of Family Medicine Grand Rounds. April 30, 2004.

24. 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.
25. 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.
26. 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.
27. Evidence-based Medicine for Seniors. Challenges in Geriatric Practice: 14<sup>th</sup> Annual Conference. The William and Ida Friday Center. Chapel Hill, NC. February 2003.
28. Seniors Tell Their Story. More Than Medicines: A Prescription for North Carolina Seniors. A Statewide Forum. December 2002. The Friday Center. Chapel Hill, NC.
29. More Than Medicines: A Prescription for North Carolina Seniors. A Statewide Forum. Program Coordinator and Presenter. The William and Ida Friday Center. Chapel Hill, NC. December 2002.
30. Arthritis Pharmacotherapy. Pharmacy Continuing Education Program, Fayetteville, NC. November 2002.
31. Health Literacy. UNC Program on Aging Lecture Series. November 2002.
32. Medicine Use by the Elderly: Lessons for Physicians, Pharmacists, and Other Health Advocates. The North Carolina Conference on Aging. Greensboro, NC. October 2002.
33. Rational versus Cost Effective Pharmacotherapy for Arthritis. The North Carolina Association of Pharmacists Convention and Carolina Seminar. Greensboro, NC. October 10, 2002.
34. Overview of COX-2 Inhibitors and Nonselective NSAIDs. American College of Clinical Pharmacy, Spring Meeting, Savannah, Georgia, April 2002.
35. Medication Management in Seniors: Clinical Pearls. Thirteenth Annual Geriatric Conference. UNC School of Medicine. February 2002.
36. Medication Management in the Elderly. Pharmacy Continuing Education Program, Greensboro, NC. January 2002.
37. Treatment of Hypertension in the Elderly. Pharmacy Continuing Education Program, Wilson, NC. November 2001.
38. Smoking Cessation: Opportunities for Pharmacists. American Society of Health System Pharmacists. Annual Meeting 2001. Los Angeles, CA, June 2001.
39. Smoking Cessation: Innovative Models for Pharmacy Practice. American College of Clinical Pharmacy, Annual Meeting 2000. Los Angeles, CA, November 2000.
40. Dietary Supplements: Challenges and Controversies. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. August 2000.
41. Herbal Medicine. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. May 2000.
42. Drug Interactions. Duke University School of Medicine Primary Care Training Program. Durham VAMC. Durham, NC. April 2000.
43. Contemporary Issues in the Management of Osteoarthritis. American Pharmaceutical Association. Annual Meeting and Exposition 2000. Washington DC. March 2000.
44. Use of Zyban in Patients with Underlying Medical and Psychiatric Disorders. Annual ACCP Meeting (poster presentation). Kansas City, MO. October 1999.
45. Smoking Cessation: An Overview. Thirteenth Annual Addiction: Focus on Women Conference. Asheville, NC. May 1999.



46. Use of Zyban in Patients with Co-existing Medical and Psychiatric Disorders. Southern Society of General Internal Medicine, Platform presentation. Regional Meeting, March 1999.
47. Zyban: Non-nicotine Therapy for Smoking Cessation. Smoking Cessation Certificate Program for Pharmacists. Greensboro Area Health Education Center. Greensboro, NC. December 1998.
48. 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.

### **OTHER PRESENTATIONS (Beginning 2013)**

1. 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)
2. Sloane, A.B., McLaughlin, J.E., and Roth, M.T. Effectively using student course evaluation results to improve course and instructor effectiveness. Assessment Institution Annual Meeting, Indianapolis, IN. October, 2013.(Platform)
3. Roth MT, Singleton SF. Toward a Curriculum Transformation. Inaugural Preceptor and Partnership Symposium. UNC Eshelman School of Pharmacy. Friday Center, Chapel Hill. December 2013.
4. 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.
5. Roth MT, Singleton, S., Rodgers, P.T., Lee, C., McLaughlin, J.E., Moore, J., Guidotti, M., Joyner, P.U., Mumper, R.J., Blouin, R.A. A systems approach to innovation in pharmacy education. American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL. July 2013. (Poster)
6. 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.
7. 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.
8. 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.

### **TEACHING ACTIVITIES**

#### **MENTORING AND ADVISING**

##### **Campbell Mentoring Program 2012-2013**

Jena Ivey Burkhart, PharmD  
Clinical Assistant Professor

Nicki Pinelli, PharmD, MS  
Clinical Assistant Professor

##### **Post-doctoral Fellows 2012-2013**

Jacqui McLaughlin, PhD  
Office of Strategic Planning and Assessment

## **Graduate Students**

Jami Mann, PharmD. Masters Candidate  
Division of Practice Advancement and Clinical Education  
Co-advisor: Masters Project  
Topic: Clinical Pharmacist Competencies  
Completion: May 2015

Meghan Roberts, PhD Candidate, Health Policy Management  
UNC Gillings School of Global Public Health  
Co-advisor: Research Practicum Project  
Project: *Systematic review of the impact of comprehensive medication therapy management services in primary care*  
Anticipated Completion: April March 2014

Ian Willoughby, PharmD. Masters Candidate  
Division of Practice Advancement and Clinical Education  
Co-advisor, Masters project  
Completion: May 2012

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.

Ashley Beard, PhD Candidate  
Division of Pharmaceutical Outcomes and Policy  
*Member*, Dissertation Committee  
Dissertation topic: *Patient-Physician Communication and Effects on Medication Adherence in Patients with Rheumatology Disorder*  
Completion: May 2008

John Byrd, PhD Candidate  
Division of Pharmaceutical Outcomes and Policy  
*Member*, Dissertation Committee  
Dissertation topic: *Caregivers of Persons with Memory Problems: The Medication Study*  
Completion: May 2006

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

## **Professional Student Research Projects**

Leah Duong, PharmD Candidate  
Co-advisor, Clinical Scholars Project  
UNC Hospitals

Reliability of a tool for assessing medication-related problems  
Completion: 2014

### **UNC PGY2 Geriatric Specialty Residency**

Rachel Bassinger, PharmD

Mentor, Residency Project

Project: *Systematic review of the impact of clinical pharmacists in primary care medical teams*

Anticipated completion: June 2013.

Allison Reindeua, PharmD

Mentor, Residency Research Project

Project: *The impact of a clinical pharmacist intervention on medication adherence in older adults*

Completion: June 2012

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, 5/0 - 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 Contributing to Research Program (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)

### **DIDACTIC TEACHING (PAST 3 YEARS)**

#### **Course Coordinator**

PHCY 830 The Leadership Challenge, Elective, PharmD (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)

**Teaching**

PACE 806 Medication Therapy Management (2013)  
 DPOP 872 Proposal Writing, Required, PhD (2011, 2012)  
 EPID 806 Clinical Research Skills, Required, UNC Masters in Clinical Research (2009-present)  
 PHCY 431 Health Systems, Required PharmD (2010-2011)  
 PHCY 434 Pharmacy Practice Management, Required, PharmD (2011)  
 PHCY 433 Drug Literature Evaluation, Required PharmD (2008-2011)  
 PHCY 801 Ethical Dilemmas in Research, Required PhD (2008-2009)

**PROFESSIONAL SERVICE**

**NATIONAL**

**American College of Clinical Pharmacy**

Appointed, Research Institute Board of Trustees	2010 - 2012
Treasurer	2011 - 2012
American College of Clinical Pharmacy	
Member	1994 - present
<i>Elected Secretary, Board of Regents</i>	2005 - 2008
Elected Fellow of the College	2004
ACCP Delegate, Pharmacy Profession Stakeholders	5/04
Conference on Medication Therapy Management	
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

**Agency HealthCare Research Quality (AHRQ)**

Member, AHRQ Comparative Effectiveness Evidence-based Healthcare Pharmacy Workgroup	2010 - 2013
---	-------------

**Patient-Centered Primary Care Collaborative**

Member, Medication Management Taskforce	2011 - 2012
---	-------------

**Pharmacy Quality Alliance (PQA)**

Patient Satisfaction Work Group	2006
Medication Therapy Management Work Group	2008 – 2011
Medication Management in Integrated Care Teams	2014 - present

**American Geriatrics Society**

Member	2002 - 2010
Clinical Practice Committee	2006

**American Association of Colleges of Pharmacy**

Member	1994 - present
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	2002,2005-2006,2010
Chair, Clinical Pharmacist Practitioner Committee	2002

**Orange County, North Carolina**

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

**UNIVERSITY OF NORTH CAROLINA**

**University-wide**

Advisory Committee, UNC Center for Faculty Excellence	2013 - present
Advisory Committee, UNC Interdisciplinary Certificate in Aging Program	2001 - 2010

**UNC Eshelman School of Pharmacy**

Member, Curriculum Design and Execution Committee	2013 - present
Assessment Committee	2014 - present
Foundational Content Committee	2013
Chair, Educational Research Review Committee	2013 - present
Advisor (ten PY1 students), UNC Eshelman School of Pharmacy	2013 - present
Faculty Panel, Candidates Day	2013 - present
Secretary of the Faculty	2010-2012
Chair, Curriculum Transformation Steering Committee	2012
Member, 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 - present
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