

**SUSAN J. BLALOCK, Ph.D.**  
Curriculum Vitae

September 2020

**EDUCATION**

<b>University of North Carolina at Chapel Hill</b> <i>Department of Health Behavior and Health Education</i> <i>School of Public Health</i>	Ph.D.	1987
<b>University of Michigan, Ann Arbor</b> <i>Department of Health Behavior and Health Education</i> <i>School of Public Health</i>	M.P.H.	1980
<b>University of Michigan, Ann Arbor</b> <i>College of Pharmacy</i>	B.S. Pharm.	1976

**CURRENT APPOINTMENTS**

<b>University of North Carolina at Chapel Hill</b> <i>Eshelman School of Pharmacy</i> Professor Emeritus Division of Pharmaceutical Outcomes and Policy	July 2020-Present
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**PREVIOUS PROFESSIONAL EXPERIENCE**

- 2012-20: **Professor**, Division of Pharmaceutical Outcomes and Policy, Eshelman School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2012-17: **Adjunct Professor**, Department of Health Behavior and Health Education, School of Public Health, University of North Carolina, Chapel Hill, NC
- 2002-12: **Associate Professor**, Division of Pharmaceutical Outcomes and Policy, Eshelman School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998-02: **Associate Professor**, Department of Pharmacy Practice, Thomas J. Long School of Pharmacy and Health Sciences, University of the Pacific, Stockton, CA.
- 1996-98: **Research Associate Professor**, Department of Health Behavior and Health Education, School of Public Health, University of North Carolina, Chapel Hill, NC.
- 1994-98: **Research Associate**, Thurston Arthritis Research Center, School of Medicine, University of North Carolina, Chapel Hill, NC.
- 1994-96: **Research Assistant Professor**, Department of Health Behavior and Health Education, School of Public Health, University of North Carolina, Chapel Hill, NC.
- 1992-98: **Director**, Numerical Sciences Core, Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC.
- 1987-94: **Assistant Director for Education**, Department of Physical Medicine and Rehabilitation, School of Medicine, University of North Carolina, Chapel Hill, NC.

**BIBLIOGRAPHY***Books*

**Blalock SJ.** Making Meaning of Data in Pharmaceutical and Clinical Research, 1st Edition. Washington DC: American Pharmaceutical Association, 2019. ISBN-13: 978-1582123103.

*Selected Book Chapters*

- Blalock SJ,** Sleath B. Risk Evaluation and Communication. In Strom BL, Kimmel SE, Hennessey S, eds. *Pharmacoepidemiology*, 5<sup>th</sup> ed. Oxford: Wiley & Sons, 2012.
- Blalock SJ,** Keller S. Consumer Assessment of Pharmacy Quality. In Warholak TL, Nau DP, eds. *Pharmacy Quality: Improving the Safety and Effectiveness of Pharmacy Services*. London: McGraw-Hill; 2010.
- Blalock SJ,** Beard AJ, Dusetzina SB. Individual/Interpersonal Models of Health and Illness Behavior. In Rickles NM, Wertheimer AI, Smith M, eds. *Social and Behavioral Aspects of Pharmaceutical Care*, 2<sup>nd</sup>. Edition. Sudbury, MA: Jones and Bartlett, 2010.
- DeVellis RF, **Blalock SJ.** Outcomes of Self-Management Interventions. In Newman S, Steed E, Mulligan K eds. *Chronic Physical Illness: Self-Management and Behavioural Interventions*. London: McGraw-Hill; 2008.
- Weinstein ND, Sandman PM, **Blalock SJ.** The Precaution Adoption Process Model. In Glanz K, Rimer BK, Lewis FM, eds. *Health Behavior and Health Education: Theory, research and practice*. San Francisco: Jossey-Bass; 2008:123-147.

*Selected Peer-Reviewed Papers (Selected from a total of 135)*

- Blalock SJ,** Solow EB, Reyna VF, Keebler M, Carpenter D, Hunt C, Hickey G, O'Neill K, Curtis JR, Chapman SB. Enhancing patient understanding of medication risks and benefits. *Arthritis Care Res (Hoboken)* 2020;Aug 16. doi: 10.1002/acr.24421. Online ahead of print. PMID: 32799397
- Blalock SJ,** Renfro CR, Robinson JM, Farley JF, Busby-Whitehead J, Ferreri SP. Using the Drug Burden Index to identify older adults at highest risk for medication-related falls. *BMC Geriatr* 2020 Jun 12;20(1)208. Doi:10.1186/x12877-020-01598-5. PMID: 32532276
- Blalock SJ,** Ferreri SP, Renfro CP, Robinson JM, Farley JF, Ray N, Busby-Whitehead J. Impact of STEADI-Rx: A community pharmacy-based fall prevention intervention. *J Am Geriatr Soc* 2020(Aug);68(8):1778-1786. Doi:10.1111/jgs.16459. PMID: 32315461
- Talabi MB, Clowse MEB, **Blalock SJ,** Switzer G, Yu L, Chodoff A, Borrero S. Development of ReproKnow, a reproductive knowledge assessment for women with rheumatic diseases. *BMC Rheumatol* 2019;Oct 21;3:40. PMID: 31660532.
- Talabi MB, Clowse MEB, **Blalock SJ,** Hamm M, Borrero S. Perspectives of adult rheumatologists regarding family planning counseling and care: A qualitative study. *Arthritis Care Res (Hoboken)* 2019;Mar 15. doi: 10.1002/acr.23872. PMID: 30875455
- Talabi MB, Clowse MEB, **Blalock SJ,** Moreland L, Siripong N, Borrero S. Contraception Use among Reproductive-Age Women With Rheumatic Diseases. *Arthritis Care Res* 2019;71(8):1132-1140. PMID: 30106516

- Davis SA, Carpenter DM, **Blalock SJ**, Budenz DL, Lee C, Muir KW, Robin AL, Sleath B. Glaucoma patient preferences for video education on eye drop technique. *Optom Vis Sci* 2019;96:325-330. PMID 31046014
- Davis SA, Carpenter DM, **Blalock SJ**, Budenz DL, Lee C, Muir KW, Robin AL, Sleath B. A randomized controlled trial of an online educational video intervention to improve glaucoma eye drop technique. *Pat Educ Couns* 2019;102:937-943. PMID: 30583913
- Bitonti M, Patel P, Dickinson R, Knapp P, **Blalock SJ**. The effect of counseling on willingness to use a hypothetical medication and perceptions of medication safety. *Res Soc Admin Pharm* 2018;295-302. PMID: 28412153
- Blalock SJ**. Medication risk communication in rheumatology: Where are we and where do we go from here? *Curr Rheumatol Rep* 2017; Feb;19(2):7. doi: 10.1007/s11926-017-0631-2. PMID: 28164248
- Sleath B, Davis S, Sayner R, Carpenter DM, Johnson T, **Blalock SJ**, Robin AL. African American patient preferences for glaucoma education. *Optom Vis Sci*. 2017 Apr;94(4):482-486. doi: 10.1097/OPX.0000000000001059. PMID: 28234794
- Davis SA, Carpenter D, Cummings DM, Lee C, **Blalock SJ**, Scott JE, Rodebaugh L, Ferreri SP, Sleath B. Patient adoption of an Internet based diabetes medication tool to improve adherence: A pilot study. *Pt Educ Couns* 2017;100:174-178. PMID:27480530
- Blalock SJ**, Sage A, Bitonti M, Patel P, Dickinson R, Knapp P. Communicating information concerning potential medication harms and benefits: What gist do numbers convey. *Pt Educ Couns* 2016;99:1964-1970. PMID:27444232
- Blalock SJ**, Reyna VF. Using fuzzy-trace theory to understand and improve health judgments, decisions, and behaviors: A literature review. *Health Psychol* 2016;35:781-792. PMID: 27505197
- Blalock SJ**, Gildner PL, Jones JL, Bowling JM, Casteel CH. Relationship between perceived risk of falling and the adoption of precautions to reduce falls risk. *J Am Geriatr Soc* 2016;64:1313-1317. DOI: 10.1111/jgs.14136
- Blalock SJ**, DeVellis RF, Chewning B, Sleath BL, Reyna VF. Gist and verbatim communication concerning medication risks/benefits. *Patient Educ Couns* 2016;99:988-964. PMID: 26786667
- Geryk LL, **Blalock S**, DeVellis RF, Morella K, Carpenter DM. Associations between patient characteristics and the amount of arthritis medication information patients receive. *J Health Commun* 2016;21:1122-1130. PMID: 27668523
- Geryk LL, Arrindell CC, Sage AJ, **Blalock SJ**, Reuland DS, Coyne-Beasley T, Lee C, Sleath BL, Carpenter DM. Exploring youth and caregiver preferences for asthma education video content. *J Asthma* 2016; 53:101-106. PMID: 26289030
- Tong V, Raynor DK, **Blalock SJ**, Aslani P. Exploring consumer opinions on the presentation of side-effects information in Australian Consumer Medicine Information leaflets. *Health Expect* 2016;19:543-56 PMID: 24905668
- Blalock SJ**, DeVellis BM, DeVellis RF, Chewning B, Jonas B, Sleath BL. Medication risk communication during rheumatology office visits. *Arthritis Care Res*, 2015;67(2):161-168. PMID: 25073718
- Sleath B, Carpenter DM, **Blalock SJ**, Sayner R, Muir KW, Slota C, Giangiacomo AL, Hartnett ME, Tudor G, Robin AL. Applying the resources and supports in self-management framework to examine ophthalmologist-patient communication and glaucoma medication adherence. *Health Educ Res* 2015;30:693-705. PMID: 26338986

- Tong V, Raynor DK, **Blalock SJ**, Aslani P. Consumer interpretation of ramipril and clopidogrel medication risk information: Implications for risk communication strategies. *Patient Prefer Adherence* 2015;9:983-988. PMID:26164785
- Carpenter DM, Elstad EA, Sage AJ, DeVellis RF, Geryk LL, **Blalock SJ**. The relationship between information-seeking, information-sharing, and patient medication adherence: a descriptive study. *Patient Educ Couns* 2015;98(1):120-4. PMID: 25455797
- Viswanathan M, Kahwati LC, Golin CE, **Blalock SJ**, Coker-Schwimmer E, Posey R, Lohr K. Medication therapy management interventions in outpatient settings: a systematic review and meta-analysis. *JAMA Intern Med*, 2015;175(1):76-87. PMID: 25401766
- Blalock SJ**, Slota C, DeVellis BM, DeVellis RF, Chewning B, Jonas BL, Sleath BL. Patient-rheumatologist communication concerning prescription medications: Getting to the gist. *Arthritis Care Res*. 2014;66(4):542-50. PMID: 24022872
- Carpenter DM, Elstad EA, **Blalock S**, DeVellis RF. Conflicting medication information: Prevalence, sources and relationship to medication adherence. *J Health Commun*, 2014;19(1):67-81. PMID: 24015878
- Blalock SJ**, Roberts AW, Lauffenburger JC, Thompson T, O'Connor SK. The effect of community pharmacy-based interventions on patient health outcomes. *Med Care Res Rev*, 2013;70(3):235-66. PMID: 23035056
- Carpenter SM, **Blalock SJ**, DeVellis RF. Patients with rare diseases using pharmacists for medication information *J Am Pharm Assoc* 2012;52(6):e175-182. PMID: 23942759
- Viswanathan M, Golin CE, Jones CD, Ashok M, **Blalock SJ**, Wines, RCM, Coker-Schwimmer E, Rosen DL, Sista P, Lohr KN. Interventions to improve adherence to self-administered medications for chronic diseases: a systematic review. *Ann Int Med*, 2012;157(11):785-95. PMID: 22964778
- Elstad EA, Carpenter DM, DeVellis RF, **Blalock SJ**. Patient decision making in the face of conflicting medication information. *Int J Qual Stud Health Well-being*, 2012;7:1-11. PMID: 22943889
- Casteel C, **Blalock SJ**, Ferreri S, Roth MT, Demby KB. Implementation of a community pharmacy-based falls prevention program. *Am J Geriatr Pharmacother*, 2011;9(5):310-9. PMID: 21925959
- Blalock SJ**. The theoretical basis for practice-relevant medication use research: patient-centered/behavioral theories. *Res Soc Adm Pharm*, 2011;7(4):317-29. PMID:21272552
- Blalock SJ**, Casteel C, Roth MT, Ferreri S, Demby KB, 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.
- Blalock SJ**, Demby KB, McCulloch KD, Stevens JA. Factors influencing hip protector use among community-dwelling older adults. *Injury Prevention* 2010;16(4):235-9.
- Sleath B, **Blalock SJ**, Bender DE, Murray M, Cerna A, Cohen MG. Latino patients' preferences for medication information and pharmacy services. *J Am Pharm Assoc* 2009;49(5):632-6.
- Blalock SJ**, Gregory, PJ, Patel, RA, Norton LL, Callahan LF, Jordan JM. Factors associated with potential medication-herb/natural product interactions in a rural community. *Altern Ther Health Medicine*, 2009;15(5):26-34.
- Sleath B, **Blalock SJ**, Bender D, Murray M, Cerna A, Cohen MG. Latino' sources of medication and medication information in the United States and their home countries. *Patient Educ Couns*. 2009; 75(2):279-82.

- Blalock SJ**, Demby KB, McCulloch KL, Stevens JA. Seniors' perceptions of using hip protectors to reduce fracture risk. *J Am Geriatr Soc.* 2008;56:1773-1774.
- Blalock SJ**. Predictors of calcium intake patterns: a longitudinal analysis. *Health Psychol.* 2007;26(3):251-258.
- Blalock SJ**. Toward a better understanding of calcium intake: behavioral change perspectives. *J Reprod Med.* 2005;50:901-6.
- Blalock SJ**, Byrd JE, Hansen RA, Yamanis TJ, McMullin K, DeVellis BM, DeVellis RF, Panter AT, Kawata AK, Watson, LC, Jordan JM. Factors associated with potentially inappropriate drug utilization in a sample of community-dwelling older adults. *Am J Geriatr Pharmacother.* 2005;3:168-179.
- Blalock SJ**, Norton LL, Patel RA, Dooley MA. Patient knowledge, beliefs, and behavior concerning the prevention and treatment of glucocorticoid-induced osteoporosis. *Arthritis Care Res.* 2005;53:732-739.
- Blalock SJ**, Patel RA. The Drug Therapy Concerns Scale: Initial development and refinement. *J Am Pharm Assoc.* 2005;45:160-169.
- McIntosh J, **Blalock SJ**. Effects of media coverage of the Women's Health Initiative on the attitudes and behavior of women regarding hormone replacement therapy. *Am J Health Syst Pharm.* 2005;62:69-74.
- Blalock SJ**, Norton LL, Patel RA, Cabral K, Thomas CL. Development and assessment of a short instrument for assessing dietary intakes of calcium and vitamin D. *J Am Pharm Assoc.* 2003;43:685-693.
- Blalock SJ**, DeVellis BM, Patterson CC, Campbell MK, Orenstein DR, Dooley MA. Effects of an osteoporosis prevention program incorporating tailored educational materials. *Am J Health Promot.* 2002;16:146-156.
- Blalock SJ**, Currey SS, DeVellis RF, DeVellis BM, Giorgino KB, Anderson JJB, Dooley MA, Gold DT. Effects of educational materials concerning osteoporosis on women's knowledge, beliefs, and behavior. *Am J Health Promot.* 2000;14:161-169.
- Blalock SJ**, Orlando M, Mutran EJ, DeVellis RF, DeVellis BM. Effect of satisfaction with one's abilities on positive and negative affect among individuals with recently diagnosed rheumatoid arthritis. *Arthritis Care Res.* 1998;11:158-165.
- Blalock SJ**, DeVellis RF. Health salience: Reclaiming a concept from the lost and found. *Health Educ Res.* 1998;13:399-406.
- Blalock SJ**, Currey SS, DeVellis RF, Anderson JJB, Gold DT, Dooley MA. Using a short food frequency questionnaire to estimate dietary calcium consumption: A tool for patient education. *Arthritis Care Res.* 1998;11:479-484.
- Blalock SJ**, DeVellis RF, Giorgino KB, DeVellis BM, Gold DT, Dooley MA, Anderson JJB, Smith SL. Osteoporosis prevention in premenopausal women: Using a stage model approach to examine the predictors of behavior. *Health Psychol.* 1996;15:84-93.
- Blalock SJ**, DeVellis BM, Giorgino KB. The relationship between coping and psychological well-being among people with osteoarthritis: A problem-specific approach. *Ann Behav Med.* 1995;17:107-115.
- Blalock SJ**, Bunker BJ, DeVellis RF. Measuring health status among survivors of burn injury: Revision of the Burn Specific Health Scale. *J Trauma.* 1994;6:508-515.
- Blalock SJ**, Bunker BJ, DeVellis RF. Psychological distress among survivors of burn injury: The role of outcome expectations and perceptions of importance. *J Burn Care Rehabil.* 1994;15:421-427.

- Blalock SJ**, DeVellis BM, Holt K, Hahn PM. Coping with rheumatoid arthritis: Is one problem the same as another? *Health Educ Q.* 1993;20:119-132.
- Blalock SJ**, Bunker BJ, Moore JD, Foreman N, Walsh JF. The impact of burn injury: A preliminary investigation. *J Burn Care Rehabil.* 1992;13:487-492.
- Blalock SJ**, DeVellis BM, DeVellis RF, Giorgino KB, Sauter SVH, Jordan JM, Keefe FJ, Mutran EJ. Psychological well-being among people with recently-diagnosed rheumatoid arthritis: Do self-perceptions of abilities make a difference? *Arthritis Rheum.* 1992;35:1267-1272.
- Blalock SJ**, Afifi RA, DeVellis BM, Holt K, DeVellis RF. Adjustment to rheumatoid arthritis: The role of social comparison processes. *Health Educ Res.* 1990;5:361-370.
- Blalock SJ**, DeVellis BM, Afifi RA, Sandler RS. Risk perceptions and participation in colorectal cancer screening. *Health Psychol.* 1990;9:792-806.
- Blalock SJ**, Sauter SVH, DeVellis RF. The Modified Health Assessment Questionnaire Difficulty Scale: A health status measure revisited. *Arthritis Care Res.* 1990;3:182-188.
- Blalock SJ**, DeVellis BM, DeVellis RF. Social comparison among individuals with rheumatoid arthritis. *J Appl Soc Psychol.* 1989;19:665-680.
- Blalock SJ**, DeVellis RF, Brown GK, Wallston KA. Validity of the Center for Epidemiological Studies Depression Scale in arthritis populations. *Arthritis Rheum.* 1989;32:991-997.
- Blalock SJ**, DeVellis BM, DeVellis RF, Sauter S. Self-evaluation processes and adjustment to rheumatoid arthritis. *Arthritis Rheum.* 1988;31:1245-1251.
- Blalock SJ**, DeVellis BM, Sandler RS. Participation in fecal occult blood screening for colorectal cancer: A critical review. *Prev Med.* 1987;16:9-18.
- Blalock SJ**, DeVellis BM. Stereotyping: The link between theory and practice. *Patient Educ Couns.* 1986;8:17-25

**TEACHING RECORD*****Classroom Teaching: Classes that included coordination responsibilities***

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Course	Semesters
Drug Literature Analysis and Interpretation (Pharm 433) <i>School of Pharmacy</i> <i>University of North Carolina at Chapel Hill</i>	Fall 2003-10  Fall 2002 Fall 2011-15
Social & Behavioral Aspects of Pharmaceutical Use (DPOP 803) <i>School of Pharmacy</i> <i>University of North Carolina at Chapel Hill</i>	Spring 2005 Spring 2007 Spring 2009 Spring 2011  Fall 2013, 2015
Patient-Reported Outcomes: Theory, Methods, and Applications (DPOP 805) <i>School of Pharmacy</i> <i>University of North Carolina at Chapel Hill</i>	Spring 2004 Spring 2006
Applied Pharmaceutical Statistics (Pharm 192) <i>School of Pharmacy</i> <i>University of North Carolina at Chapel Hill</i>	Fall 2002
Statistics and Experimental Design (PCSP 201) <i>TJ Long School of Pharmacy</i> <i>University of the Pacific</i>	Summer 2002
Pharmacy Systems and Experiences V (Phar 151) <i>TJ Long School of Pharmacy</i> <i>University of the Pacific</i>	Spring 2000-02
Pharmaceutical Calculations and Statistics (Phar 112) <i>TJ Long School of Pharmacy</i> <i>University of the Pacific</i>	Fall 1999-2001

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## GRANTS AND CONTRACTS

## PRINCIPAL INVESTIGATOR (PRIME)

Project Information	Approx. Total Direct Costs
<b><i>Implementing an integrative falls prevention program for high-risk patients in community pharmacies (Co-PI with Stefanie Ferreri)</i></b> Centers for Disease Control and Prevention 2016-2019	\$1,050,000
<b><i>Enhancing patient ability to understand and utilize complex information concerning medication self-management</i></b> Patient Centered Outcomes Research Initiative 2016-2018	\$1,500,000
<b><i>Communicating Risks Associated with Prescription Medications</i></b> American College of Rheumatology Research and Education Foundation 2010-2012	\$367,000
<b><i>Osteoporosis Prevention among People with Rheumatoid Arthritis Receiving Oral Glucocorticoid Therapy</i></b> Arthritis Foundation July 2000-June 2005	\$400,000
<b><i>Coping with Osteoarthritis: An examination of strategies used to deal with four illness-related problems</i></b> Arthritis Foundation 1991-94	\$75,000
<b><i>Self-Evaluation of Functional Abilities Among Patients with Rheumatoid Arthritis</i></b> Arthritis Health Professions Traineeship 1985-87	\$32,000

**PRINCIPAL INVESTIGATOR ON PROJECTS WITHIN CENTER GRANTS**

Project Information	Approx. Total Direct Costs
<p><b><i>Translational Research to Identify Factors Related to Older Adult Use of Evidence-Based Falls Prevention Programs</i></b>            Project within UNC Injury Prevention Research Center (IPRC)            Centers for Disease Control and Prevention            IPRC Principal Investigator: Carol W. Runyan, PhD            Interim IPRC Director: Stephen Marshall, PhD            June 2011-July 2013</p>	\$200,000
<p><b><i>Preventing Falls Through Enhanced Pharmaceutical Care</i></b>            Project within UNC Injury Prevention Research Center (IPRC)            Centers for Disease Control and Prevention            IPRC Principal Investigator: Carol W. Runyan, PhD            August 2004-July 2009</p>	\$730,000
<p><b><i>Osteoporosis Prevention: Education and outreach</i></b>            Project within UNC Health Promotion and Disease Prevention Center            Centers for Disease Control and Prevention            HPDP Principal Investigator: Carl Cross, MD            October 1995-September 1998</p>	\$580,000
<p><b><i>Osteoporosis Prevention: Application and testing of the Precaution Adoption Process</i></b>            Project within UNC Multipurpose Arthritis Research Center            National Institute of Arthritis and Musculoskeletal and Skin Diseases            Center Principal Investigator: John B. Winfield, MD            1993-96</p>	\$308,000
<p><b><i>Adjustment to Rheumatoid Arthritis: The role of the self-evaluation processes</i></b>            Project within UNC Multipurpose Arthritis Research Center            National Institute of Arthritis and Musculoskeletal and Skin Diseases            Center Principal Investigator: John B. Winfield, MD            1988-92</p>	\$300,000

**DIRECTOR OF CORES WITHIN CENTER GRANTS**

Project Information	Approx. Total Direct Costs
<p><b><i>Numerical Sciences Core</i></b>            Core within UNC Multipurpose Arthritis Research Center            National Institute of Arthritis and Musculoskeletal and Skin Diseases            Center Principal Investigator: John B. Winfield, MD            1993-98</p>	\$555,000

**CO- INVESTIGATOR**

Project Information	Approx. Total Direct Costs
<b><i>How do RA patients process DMARD information: A pilot study.</i></b> Principal Investigator: Delesha Miller, PhD. Arthritis Foundation. 2013-15.	\$92,173
<b><i>Patient adoption of an Internet based diabetes medication tool to improve adherence.</i></b> Principal Investigator: Betsy Sleath, PhD. UNC Center for Diabetes Translational Research to Reduce Health Disparities. 9/12-8/13.	\$39,829
<b><i>Communication about glaucoma and patients outcomes.</i></b> Principal Investigator: Betsy Sleath, PhD. National Eye Institute. 2009-13.	\$1,790,000
<b><i>Evidence synthesis and translation under MMA section 1013.</i></b> Principal Investigator: Carol Golin, MD. Research Triangle Institute (Prime: AHRQ). 2012-13.	\$290,000
<b><i>Closing the quality gap series: revisiting the state of the science quality improvement interventions and/or programs to improve prescription medication adherence.</i></b> Principal Investigator: Carol Golin, MD. Research Triangle Institute (Prime: AHRQ). 2010-11.	\$108,000
<b><i>Determining the Effects of Conflicting Medication Information and Spouse Support on the Medication Adherence of Osteoarthritis Patients.</i></b> Principal Investigator: Delesha Miller, PhD. Novartis. 2010.	\$85,000
<b><i>The Effect of Medicaid Prescription Restrictions on Mental Health Utilization.</i></b> Principal Investigator: Joel Farley, PhD. Pfizer, Inc.. 2007-09	\$130,000
<b><i>Enhancing Pneumococcal Vaccination Rates through Community Pharmacist Involvement.</i></b> Principal Investigator: Stefanie Ferreri, PharmD. Centers for Disease Control and Prevention. October 2005-September 2007	\$185,000
<b><i>The Impact of Traumatic Spinal Cord Injury: Development of a system to assess long-term health outcomes and patterns of health service utilization.</i></b> Principal Investigator: Michael Y. Lee, MD. Centers for Disease Control and Prevention. 1994-96	\$108,000
<b><i>Selective Remembering of Information by Arthritis Patients</i></b> Project within UNC Multipurpose Arthritis Research Center Project Principal Investigator: Robert F. DeVellis, PhD Center Principal Investigator: John B. Winfield, MD National Institute of Arthritis and Musculoskeletal and Skin Diseases 1988-93	\$335,000

## PROFESSIONAL SERVICE

## SERVICE AT NATIONAL/INTERNATIONAL LEVEL

## Invited Presentations

<b><i>Medication risk/benefit information: Getting to the gist.</i></b> School of Medicine, University of Pittsburgh, Pittsburgh, PA.	September 2016
<b><i>Getting the gist in risk communication.</i></b> School of Medicine, University of Alabama, Birmingham, AL	April 2015
<b><i>Getting the gist in risk communication.</i></b> School of Healthcare, University of Leeds, Leeds, UK	June 2014
<b><i>Communicating risks associated with prescription medications.</i></b> American College of Rheumatology Foundation: Within Our Reach Investigators Meeting, Santa Fe, NM	January 2012
<b><i>Communicating risks associated with prescription medications.</i></b> American College of Rheumatology Foundation: Within Our Reach Investigators Meeting, Miami, FL.	June 2011
<b><i>Comparative effectiveness research in community pharmacy settings.</i></b> Chapel Hill Drug Conference, Chapel Hill, NC.	May 2011
<b><i>Communicating risks associated with prescription medications: A fuzzy trace approach.</i></b> Worldwide Universities Working Conference, Sydney, Australia.	May 2010
<b><i>The Theoretical Basis for Practice-Relevant Medication Use Research.</i></b> Presented at the Conference on Enhancing the Rigor and Utility of Medication Use Research. Co-sponsored by the American Association of Colleges of Pharmacy, the International Society of Pharmacoeconomics and Outcomes Research, the Pharmacy Practice Research Alliance, and the US Pharmacopeia.	January 2009
<b><i>Physician-Patient Communication: The case of osteoporosis.</i></b> Congressional Briefing, Rayburn Building, Washington DC. Hosted by the Alliance on Aging.	May 2005
<b><i>Calcium compliance: Insights from past research.</i></b> Calcium for Life Roundtable Meeting, New York City. Hosted by Innovative Science Solutions, SENSEI Health, and GSK.	June 2004
<b><i>Osteoporosis prevention among people with rheumatoid arthritis receiving oral glucocorticoid therapy: Research in progress.</i></b> Podium presentation at the Arthritis Foundation Grant Forum conducted in conjunction with the Annual Scientific Meeting of the Association of Rheumatology Health Professionals, San Francisco.	November 2001
<b><i>Osteoporosis prevention: Strong Bones for Life Project.</i></b> Presentation for the 50+ and Strong Alliance, Walnut Creek, CA.	January 2001

- Addressing the effectiveness of community outreach interventions for women in improving osteoporosis prevention behaviors.*** Podium presentation at the Community Prevention Research in Women’s Health Conference, Sponsored by the National Institutes of Health, Washington DC. October 2000
- In Search of Clinical Relevance Workshop.*** (Speaker) Presented at the Annual Scientific Meeting of the Association of Rheumatology Health Professionals, Boston. November 1999
- Workshop for Health Services Research in Arthritis: From research to practice.*** (Co-Chair) Sponsored by The National Advisory Board for Arthritis and Musculoskeletal and Skin Diseases and The National Institute of Arthritis and Musculoskeletal and Skin Diseases. Bethesda, MD. April 1994
- Psychosocial models underlying patient coping.*** Podium presentation at the Workshop for Health Services Research in Arthritis: From research to practice. Sponsored by The National Advisory Board for Arthritis and Musculoskeletal and Skin Diseases and The National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda, MD. April 1994

### **Committee Memberships**

- Food and Drug Administration, Risk Communication Advisory Committee, Chair 2016-18
- Food and Drug Administration, Risk Communication Advisory Committee, Member 2013- 16
- American Pharmacists Association Social and Administrative Sciences Graduate Program Committee 2010-11
- Ad hoc Committee on Patient-Based Research, American College of Rheumatology 1999-2000
- Research Committee, Association of Rheumatology Health Professionals 1998-2000
- Program Planning Committee, Association of Rheumatology Health Professionals 1990-91

### **Editorial Boards and Service**

<i>Arthritis Care and Research</i> , Editorial Board	2016-18
<i>Current Rheumatology Reviews</i>	2004-12
<i>Arthritis Care and Research</i> , Editorial Board	1995-2001
<i>Arthritis Care and Research</i> , Guest Editor, Special issue on patient and public health education	1998
<i>Arthritis Care and Research</i> , Guest Editor, Special issue on health status assessment	1992

### **Grant Review**

National Institutes of Health. Academic Research Enhancement Awards. (Member of scientific review panel)	2015
American College of Rheumatology, Bridge Funding Awards	2014-17
National Institutes of Health. Understanding and Promoting Health Literacy (Member of scientific review panel)	2012
Agency for Healthcare Research and Quality. Clinical and Health Outcomes Initiative in Comparative Effectiveness (CHOICE) Grants (R01) (Member of scientific review panel)	2010
American College of Rheumatology. REF Study Section (Chaired study section in 2007 and 2008)	2006-2008
Arthritis Foundation. Clinical Sciences Section (Ad hoc reviewer)	2004
Association of Rheumatology Health Professionals: Pre-review panel for Arthritis Foundation grant proposals	2002
Arthritis Foundation. Clinical Sciences Study Section	1994-97
National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIAMS Centers Working Group 1. Ad hoc advisory group assembled to provide advice concerning the Research Centers funding mechanism	1996
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS). Member of site visit team, University of California - Los Angeles	1992

**SERVICE TO THE STATE OF NORTH CAROLINA (2002-PRESENT)**

North Carolina Falls Prevention Coalition, Chair of Community Awareness and Education Working Group	2008-10
Member of Medication Therapy Management Taskforce of North Carolina Association of Pharmacists	2007

**SERVICE TO THE STATE OF CALIFORNIA (1998-2002)**

California Breast Cancer Research Council	1999-2002
California Breast Cancer Research Council, Evaluation and Priority Setting Subcommittee (Chair)	2001-02

**SERVICE TO UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**

**Injury Prevention Research Center**

Member of Core Faculty Group	2004-2014
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**Health Promotion and Disease Prevention Center**

Member of Scientific Advisory Committee	2004-14
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**Other**

Member, Institutional Review Board	2016-2017
Member Health Sciences Advisory Committee	2012-2015

**RESEARCH AND TEACHING INTERESTS**

- Medication risk communication
- Patient decision-making and compliance with therapeutic regimens
- Health outcomes assessment
- Falls prevention
- Evaluation of health promotion and disease management programs
- Psychosocial aspects of chronic illness