

YVONNE M. GOLIGHTLY
Curriculum Vitae

PERSONAL

University of North Carolina
Gillings School of Global Public Health
Department of Epidemiology

Office:

Thurston Arthritis Research Center
3300 Thurston Building, Campus Box 7280
Chapel Hill, NC 27599-7280
(919) 966-0566
golight@email.unc.edu

EDUCATION

Ph.D., Epidemiology 2010
University of North Carolina, Chapel Hill, NC
Substantive Area: Injury
Dissertation: Osteoarthritis and Injury in the Knee and Hip

M.S., Human Movement Science 2005
University of North Carolina, Chapel Hill, NC
Substantive Area: Advanced Orthopedics/Biomechanics
Thesis: Shoe Lift Therapy in Individuals with Limb Length Inequality and Low Back Pain

B.S., Allied Health Science, Physical Therapy 1998
The Ohio State University, Columbus, OH

PROFESSIONAL EXPERIENCE

Research Experience

Nominated Assistant Professor, Epidemiology June 2016 - present
University of North Carolina, Chapel Hill, NC
Faculty Affiliations: Thurston Arthritis Research Center, Injury Prevention Research Center, Human Movement Science Program
University of North Carolina, Chapel Hill, NC

Adjunct Assistant Professor, Division of Physical Therapy March 2016 - present
Allied Health Sciences, Division of Physical Therapy
University of North Carolina, Chapel Hill, NC

Grants Program Officer October 2014-present
Osteoarthritis Action Alliance
University of North Carolina, Chapel Hill, NC

Research Assistant Professor, Epidemiology March 2012 – June 2016
Faculty Affiliations: Thurston Arthritis Research Center, Injury Prevention Research Center, Human Movement Science Program
University of North Carolina, Chapel Hill, NC

Interim Project Director
Johnston County Osteoarthritis Project
University of North Carolina, Chapel Hill, NC

December 2014-April 2015

Postdoctoral Fellow
Arthritis Foundation Postdoctoral Fellowship Award
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

September 2010 – March 2012

Graduate Student Trainee
National Institutes of Health Arthritis and Immunology Training Grant (T32 – AR07416)
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC
Mentor: Dr. Joanne M. Jordan

2006 - 2010

Research Physical Therapist/ Research Assistant
Health Services Research & Development: Osteoarthritis, Stroke, Amyotrophic Lateral Sclerosis
Veterans Affairs Medical Center, Durham, NC

2003 - 2010

Clinical Experience

Physical Therapist
Veterans Affairs Medical Center, Durham, NC

2005 – 2009

Physical Therapist
Physical Recovery, Durham, NC

2004 – 2005

Physical Therapist
Rex Healthcare, Raleigh, NC

2003 – 2004

Physical Therapist
Avante Physical Therapy, Inc., Cary, NC

2001 – 2002

Physical Therapist
Jefferson Hospital, Pittsburgh, PA

1999 – 2001

HONORS

American College of Rheumatology/European League Exchange Program Award

2016

Outstanding Reviewer 2015, *Osteoarthritis and Cartilage*

2016

Junior Faculty Development Award (co-PI with Amanda Nelson, MD, MSCR)
University of North Carolina, Chapel Hill, NC

2014

Scholar in the UNC Clinical Translational Science Award-K12 Scholars Program (KL2)
(NIH Clinical and Translational Science Awards)
University of North Carolina, Chapel Hill, NC

2012

Awarded membership in the Young Investigators Initiative Grant Mentoring Program
United States Bone and Joint Initiative, Rosemont, IL

2012

Delta Omega, Honorary in Public Health
University of North Carolina, Chapel Hill, NC

2011

Arthritis Foundation Postdoctoral Fellowship Award
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

2010

Young Investigator Award Winner Osteoarthritis Biomarker Global Initiative Meeting, Bethesda, MD	2009
American College of Rheumatology Research and Education Foundation/Abbott Health Professional Graduate Student Research Preceptorship Awardee	2008
Robert Verhalen Endowed Scholarship in Injury Prevention and Trauma Management University of North Carolina, Chapel Hill, NC	2007
American College of Rheumatology Research and Education Foundation/Abbott Medical and Graduate Student Achievement Award	2007
Mary Clyde Singleton Art and Science Award University of North Carolina, Division of Physical Therapy, Chapel Hill, NC	2004
Golden Key National Honorary The Ohio State University, Columbus, OH	1998
Mortar Board Senior Honorary The Ohio State University, Columbus, OH	1997
Bucket & Dipper Junior Honorary The Ohio State University, Columbus, OH	1996
Mirrors Sophomore Honorary The Ohio State University, Columbus, OH	1995
Alpha Lambda Delta/Phi Eta Sigma Honorary The Ohio State University, Columbus, OH	1995

MEMBERSHIPS

Member, Society for Epidemiologic Research	2014 - present
Member, Osteoarthritis Research Society International	2009 - present
Member, Association of Rheumatology Health Professionals	2006 - present
Member, American Physical Therapy Association	1996 - present

BIBLIOGRAPHY

Book Chapters (Total = 3)

1. **Golightly YM**, Jordan JM, Saag KG. Broad Issues in the Approach to Rheumatic Disease, Chapter: Clinical Research Methods in Rheumatic Disease. In: Kelley's Textbook of Rheumatology, 10th edition. [In press] (11 pages)
2. **Golightly YM**, Adams SB, Jr., Kraus VB. Chapter 25: Biomarkers of Post-Traumatic Arthritis. In: Post-Traumatic Arthritis: Pathogenesis, Diagnosis, and Management. New York: Springer. 2014; pps. 317-330.
3. **Golightly YM**, Jordan JM. Broad Issues in the Approach to Rheumatic Disease, Chapter 30: Principles of Epidemiology in Rheumatic Disease. In: Kelley's Textbook of Rheumatology, 9th edition. 2012; pps. 431-9.

Refereed Papers (Total = 50, 18 as first author) *Indicates a graduate student

1. Yau RK*, **Golightly YM**, Richardson DB, Runfola CD, Waller AE, Marshall SW. Potential predictors of injuries among pre-professional ballet and contemporary dancers. *Journal of Dance Medicine and Science* [In press] (28 pages)
2. Pietrosimone BG, Blackburn JT, **Golightly YM**, Harkey MS, Luc BA, DeFreese JD, Padua DA, Jordan JM, Bennell KL. Certified Athletic Trainers' knowledge and perceptions of posttraumatic osteoarthritis after knee injury. *Journal of Athletic Training* [In press] (10 pages)
3. Meneses SR, Goode AP, Nelson AE, Lin J, Jordan JM, Allen KD, Bennell KL, Lohmander LS, Fernandes L, Hochberg MC, Underwood M, Conaghan PG, Liu S, McAlindon TE, **Golightly YM**, Hunter DJ. Clinical algorithms to aid osteoarthritis guideline dissemination. *Osteoarthritis Cartilage* [In press] (13 pages)
4. **Golightly YM**, Dufour AB, Hannah MT, Hillstrom HJ, Katz PP, Jordan JM. Leg muscle mass and foot symptoms, structure, and function: the Johnston County Osteoarthritis Project. *The Journals of Gerontology. Series A, Biological sciences and medical sciences* 2016; 71 (3): 385-90
5. Nelson AE, **Golightly YM**, Renner JB, Schwartz TA, Liu F, Lynch JA, Gregory JS, Aspden RM, Lane NE, Jordan JM. Variations in hip shape are associated with radiographic knee osteoarthritis: cross-sectional and longitudinal analyses of the Johnston County Osteoarthritis Project. *Journal of Rheumatology* 2016; 43 (2): 405-10
6. **Golightly YM**, Allen KD, Jordan JM. Defining the burden of osteoarthritis in population-based surveys. *Arthritis Care and Research* 2016; 68 (5): 571-3
7. Hsu Y-H, Liu Y, Hannan MT, Maixner W, Smith SB, Diatchenko L, **Golightly YM**, Menz HB, Kraus VB, Doherty M, Wilson AG, Jordan JM. Genome-wide association meta-analyses to identify common genetic variants associated with hallux valgus in Caucasians and African Americans. *Journal of Medical Genetics* 2015; 52 (11): 762-9
8. Pietrosimone BG, **Golightly YM**, Mihalik JP, Guskiewicz KM. Concussion frequency is associated with lower extremity musculoskeletal injury in retired National Football League players. *Medicine and Science in Sports & Exercise* 2015; 47 (11): 2366-72
9. **Golightly YM**, Allen KD, Nyrop KA, Nelson AE, Callahan LF, Jordan JM. Patient-reported outcomes to initiate a provider-patient dialog for the management of hip and knee osteoarthritis. *Seminars in Arthritis and Rheumatism* 2015; 45 (2): 123-31
10. Williams QI, Gunn AH, Beaulieu JE, Benas BC, Buley B, Callahan LF, Cantrell J, Genova AP, **Golightly YM**, Goode AP, Gridley CI, Gross MT, Heiderscheid BC, Hill CH, Huffman KM, Kline A, Schwartz TA, Allen KD. Physical therapy vs. internet-based exercise training (PATH-IN) for patients with knee osteoarthritis: study protocol of a randomized controlled trial. *BMC Musculoskeletal Disorders* 2015; 16 (1): 264
11. Roos KG*, Marshall SW, **Golightly YM**, Kucera KL, Myers JB, Rosamond WD, Comstock RD. Epidemiology of overuse injuries in collegiate and high school athletics in the United States. *American Journal of Sports Medicine* 2015; 43 (7): 1790-7
12. Allen KD, Bierma-Zeinstra SMA, Foster NE, **Golightly YM**, Hawker G. Principles for Implementation Trials of Osteoarthritis Interventions. *Osteoarthritis and Cartilage* 2015; 23 (5): 826-38
13. Messier SP, Callahan LF, **Golightly YM**, Keefe FJ. Design and conduct of clinical trials using lifestyle diet and exercise interventions in patients with osteoarthritis. *Osteoarthritis and Cartilage* 2015; 23 (5): 787-97

14. Allen KD, **Golightly YM**. Epidemiology of osteoarthritis: state of the evidence. *Current Opinion in Rheumatology* 2015; 27 (3): 276-83
15. **Golightly YM**, Hannan MT, Dufour AB, Renner JB, Jordan JM. Factors associated with hallux valgus in a community-based study of adults with and without osteoarthritis. *Arthritis Care and Research* 2015; 67 (5): 633-9
16. Doré AL, **Golightly YM**, Mercer VS, Shi XA, Renner JB, Jordan JM, Nelson AE. Lower limb osteoarthritis and the risk of falls in a community-based longitudinal study of adults with and without osteoarthritis. *Arthritis Care and Research* 2015; 67 (5): 633-9
17. Ambrose KR, **Golightly YM**. Physical exercise as non-pharmacological treatment of chronic pain: Why and when. *Best Practice & Research Clinical Rheumatology* 2015; 29 (1): 120-30
18. Harkey M, Luc B, **Golightly YM**, Thomas A, Driban J, Hackney A, Pietrosimone B. Osteoarthritis-related biomarkers following anterior cruciate ligament injury and reconstruction: a systematic review. *Osteoarthritis and Cartilage* 2015; 23 (1): 1-12
19. **Golightly YM**, Hannan MT, Dufour AB, Hillstrom HJ, Jordan JM. Foot disorders associated with over-pronated and over-supinated foot function: The Johnston County Osteoarthritis Project. *Foot and Ankle International* 2014; 35 (11): 1159-65
20. Dufour AB, Casey VA, **Golightly YM**, Hannan MT. Characteristics associated with hallux valgus in a population-based study of older adults: The Framingham Foot Study. *Arthritis Care and Research* 2014; 66 (12):1880-6
21. **Golightly YM**, Allen KD, Stechuchak KM, Coffman CJ, Keefe FJ. Associations of coping strategies with diary based pain variables among Caucasian and African American patients with osteoarthritis. *International Journal of Behavioral Medicine* 2015; 22 (1): 101-8
22. Allen KD, **Golightly YM**, Callahan LF, Helmick CG, Ibrahim SA, Kwok CK, Renner JB, Jordan JM. Racial and gender differences in willingness to undergo total joint replacement: the Johnston County Osteoarthritis Project. *Arthritis Care and Research* 2014; 66 (8): 1193-202
23. **Golightly YM**, DeVellis RF, Nelson AE, Hannan MT, Lohmander LS, Renner JB, Jordan JM. Psychometric properties of the foot and ankle outcome score in a community-based study of adults with and without osteoarthritis. *Arthritis Care and Research* 2014; 66 (3): 395-403
24. Nelson AE, Smith MW, **Golightly YM**, Jordan JM. "Generalized Osteoarthritis": A systematic review. *Seminars in Arthritis and Rheumatism* 2014; 43 (6): 713-20
25. Nelson AE, Allen KD, **Golightly YM**, Goode AP, Jordan JM. A systematic review of recommendations and guidelines for the management of osteoarthritis. *Seminars in Arthritis and Rheumatism* 2014; 43 (6): 701-12
26. Aslam I, Perjar I, Shi XA, Renner JB, Kraus VB, **Golightly YM**, Jordan JM, Nelson AE. Associations between biomarkers of joint metabolism, hand osteoarthritis, and hand pain and function: The Johnston County Osteoarthritis Project. *Journal of Rheumatology* 2014; 41 (5): 938-44
27. Nelson AE, Elstad E, DeVellis RF, Schwartz TA, **Golightly YM**, Renner JB, Conaghan PG, Kraus VB, Jordan JM. Composite measures of multi-joint symptoms, but not of radiographic osteoarthritis, are associated with functional outcomes: The Johnston County Osteoarthritis Project. *Disability and Rehabilitation* 2014; 36 (4): 300-6

28. Nelson AE, **Golightly YM**, Renner JB, Schwartz TA, Kraus VB, Helmick CG, Jordan JM. Differences in multi-joint symptomatic osteoarthritis phenotypes by race and sex: The Johnston County Osteoarthritis Project. *Arthritis and Rheumatism* 2013; 65 (2): 373-7
29. **Golightly YM**, Allen KD, Caine DJ. A comprehensive review of the effectiveness of different exercise programs for patients with osteoarthritis. *Physician and Sports Medicine* 2012; 40 (4): 52-65
30. **Golightly YM**, Hannan MT, Dufour AB, Jordan JM. Racial differences in foot disorders and foot type: The Johnston County Osteoarthritis Project. *Arthritis Care and Research* 2012; 64 (11): 1756-9
31. Purser JL, **Golightly YM** (co-first authors), Feng Q, Helmick CG, Renner JB, Jordan JM. Slower walking speed is associated with incident knee osteoarthritis-related outcomes. *Arthritis Care and Research* 2012; 64 (7): 1028-35
32. Allen KD, Chen JC, Callahan LF, **Golightly YM**, Helmick CG, Renner JB, Schwartz TA, Jordan JM. Racial Differences in Knee Osteoarthritis Pain: Potential Contribution of Occupational and Household Tasks. *Journal of Rheumatology* 2012; 39 (2): 337-44
33. **Golightly YM**, Marshall SW, Kraus VB, Renner JB, Villaveces A, Casteel C, Jordan JM. Biomarkers of incident radiographic knee osteoarthritis: Do they vary by chronic knee symptoms? *Arthritis and Rheumatism* 2011; 63 (8): 2276-83
34. **Golightly YM**, Hannan MT, Shi XA, Helmick CG, Renner JB, Jordan JM. Association of foot symptoms with self-reported and performance-based measures of physical function: The Johnston County Osteoarthritis Project. *Arthritis Care and Research* 2011; 63 (5): 654-9
35. Caine DJ, **Golightly YM**. Osteoarthritis as an outcome of paediatric sport: an epidemiological perspective. *British Journal of Sports Medicine* 2011; 45 (4): 298-303
36. **Golightly YM**, Allen KD, Helmick CG, Schwartz TA, Renner JB, Jordan JM. Hazard of incident and progressive knee and hip radiographic osteoarthritis and chronic joint symptoms in individuals with limb length inequality. *Journal of Rheumatology* 2010; 37 (10): 2133-40
37. Nelson AE, **Golightly YM**, Kraus VB, Stabler T, Renner JB, Helmick CG, Jordan JM. Serum transforming growth factor-beta 1 is not a robust biomarker of incident and progressive radiographic osteoarthritis at the hip and knee: The Johnston County Osteoarthritis Project. *Osteoarthritis and Cartilage* 2010; 18 (6): 825-9
38. Allen KD, Chen JC, Callahan LF, **Golightly YM**, Helmick CG, Renner JB, Jordan JM. Associations of occupational tasks with knee and hip osteoarthritis: The Johnston County Osteoarthritis Project. *Journal of Rheumatology* 2010; 37 (4): 842-50
39. Allen KD, Coffman CJ, **Golightly YM**, Stechuchak KM, Voils CI, Keefe FJ. Comparison of pain measures among patients with osteoarthritis. *Journal of Pain* 2010; 11 (6): 522-7
40. **Golightly YM**, Marshall SW, Callahan LF, Guskiewicz K. Early-onset arthritis in retired National Football League players. *Journal of Physical Activity and Health* 2009; 6 (5): 638-43
41. Allen KD, Coffman CJ, **Golightly YM**, Stechuchak KM, Keefe FJ. Daily pain variations among patients with hand, hip, and knee osteoarthritis. *Osteoarthritis and Cartilage* 2009; 17 (10): 1275-82
42. **Golightly YM**, Allen KD, Helmick CG, Renner JB, Jordan JM. Symptoms of the knee and hip in individuals with and without limb length inequality. *Osteoarthritis and Cartilage* 2009; 17 (5): 596-600

43. Cudkowicz ME, Andres PL, Macdonald SA, Bedlack RS, Choudry R, Brown RH Jr, Zhang H, Schoenfeld DA, Shefner J, Matson S, Matson WR, Ferrante RJ, Kruczek K, Sherman A, Yu H, Opoliner A, Maragakis N, Clawson L, Kimball R, Smith K, Hetherington W, Loya P, **Golightly YM**, Mosier D, Ali N, Allred M, Kasarskis E, Taylor D, English R, Vriesendorp F, Schad L, Zivkovic S, Van Cott A, Brice V, Sams L, Story M, Taft J. Phase 2 study of sodium phenylbutyrate in ALS. *Amyotrophic Lateral Sclerosis* 2009; 10 (2): 99-106
44. Landry MD, Raman SR, Sulway C, **Golightly YM**, Hamdan E. Prevalence and risk factors associated with low back pain among health care providers in a Kuwait hospital. *Spine* 2008; 33 (5): 539-45
45. **Golightly YM**, Tate JJ, Burns CB, Gross MT. Changes in pain and disability secondary to shoe lift intervention in subjects with limb length inequality and chronic low back pain: a preliminary report. *Journal of Orthopaedic and Sports Physical Therapy* 2007; 37 (7): 380-8
46. **Golightly YM**, Allen KD, Renner JB, Helmick CG, Salazar A, Jordan JM. Relationship of limb length inequality with radiographic knee and hip osteoarthritis. *Osteoarthritis and Cartilage* 2007; 15 (7): 824-9
47. Allen KL, **Golightly YM**, Olsen MK. Pilot study of pain and coping among patients with osteoarthritis: a daily analysis. *Journal of Clinical Rheumatology* 2006; 12 (3): 118-23
48. Dominick KL, **Golightly YM**, Jackson GL. Arthritis prevalence and symptoms among U.S. non-veterans, veterans, and veterans receiving Department of Veterans Affairs Health Care. *Journal of Rheumatology* 2006; 33: 348-54
49. **Golightly YM**, Dominick KL. Racial variations in self-reported osteoarthritis symptom severity among veterans. *Aging Clinical and Experimental Research* 2005; 17 (4): 264-9
50. Dominick KL, **Golightly YM**, Bosworth HB. Racial differences in analgesic/anti-inflammatory medication adherence among patients with osteoarthritis. *Ethnicity and Disease* 2005; 15 (1): 116-22

Published Abstracts and Conference Presentations

(Total = 43; 26 as first author)

*Indicates student collaboration

1. Jones J*, Casteel C, **Golightly YM**, Loehr L, Marshall S, Sturmer T. Trajectories of antihypertensive adherence and persistence after initiation among older adults. Will be presented at International Society on Pharmacoepidemiology Conference, August 23, 2016; Dublin, Ireland.
2. **Golightly YM**, Nelson AE, Hannan MT, Hillstrom HJ, Kraus VB, Cleveland RJ, Goode AP, Schwartz TA, Renner JB, Jordan JM. Relationship of Joint Hypermobility and Ankle Osteoarthritis in a Community-Based Cohort. Presented at European League Against Rheumatism Congress, June 20, 2016; London, England.
3. **Golightly YM**, Goode AP, Cleveland RJ, Nelson AE, Hannan MT, Hillstrom HJ, Kraus VB, Schwartz TA, Renner JB, Jordany JM. Joint Hypermobility and Ankle Osteoarthritis in a Community-Based Cohort. Presented at European League Against Rheumatism Congress, June 11, 2016; London, England.
4. **Golightly YM**, Goode AP, Cleveland RJ, Nelson AE, Hannan MT, Hillstrom HJ, Kraus VB, Schwartz TA, Renner JB, Jordany JM. Joint Hypermobility and Ankle Osteoarthritis in a Community-Based Cohort. Presented at European League Against Rheumatism Congress, June 11, 2016; London, England.
5. **Golightly YM**, Alvarez C, Cantrell J, Renner JB, Helmick CG, Jordan JM. Leg Length Inequality as a Risk Factor for Disability in a Community-Based Longitudinal Study. Presented at European League Against Rheumatism Congress, June 9, 2016; London, England.

6. **Golightly YM**, Gross MT, Nelson AE, Callahan LF, Jordan JM. Correction of leg length inequality among older adults with hip or knee symptoms. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 11, 2015; San Francisco, CA.
7. Yau RK*, **Golightly YM**, Richardson DB, Runfola CD, Waller AE, Potter AB, Santos LA, Wilkenfeld DA, Marshall SW. Injuries among elite pre-professional ballet and contemporary dancers. Presented at: American Public Health Association Annual Meeting November 1, 2015: Chicago, IL.
8. Yau R*, **Golightly YM**, Richardson D, Runfola C, Waller A, Orr B, Potter A, Marshall S. Eating disorder symptoms among elite pre-professional ballet and modern dancers. Presented at: International Association of Dance Medicine and Science Annual Meeting October 9, 2015: Pittsburgh, PA.
9. **Golightly YM**, Stiller JL, Cantrell J, Renner JB, Jordan JM, Aspden RM, Gregory JS, Nelson AE. Hip Shape by Statistical Shape Modeling is Associated with Leg Length Inequality in Older Adults. Presented at: Osteoarthritis Research Society International 2015 Congress May 1, 2015: Seattle, WA.
10. **Golightly YM**, Hannan MT, Katz PP, Hillstrom HJ, Dufour AB, Jordan JM. Foot Structure and Function Show Associations with Lower Extremity Physical Function. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 18, 2014; Boston, MA.
11. Roos KG*, Kerr ZY, **Golightly YM**, Kucera KL, Myers JB, Marshall SW, Rosamond WD, Comstock RD. The Epidemiology of Overuse Injuries in US Collegiate and High School Athletics. Presented at: American College of Sports Medicine Annual Meeting, May 30, 2014: Orlando, FL.
12. Pietrosimone B, **Golightly YM**, Mihalik JP, Guskiewicz. Concussion Frequency is Associated with Lower Extremity Musculoskeletal Injury in Retired National Football League Players. Presented at: American College of Sports Medicine Annual Meeting, May 30, 2014: Orlando, FL.
13. Nelson AE, **Golightly YM**, Liu F, Lynch JA, Gregory JS, Aspden RM, Lane NE, Jordan JM. Variations in hip shape are associated with prevalent radiographic knee osteoarthritis: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2014 Congress April 25, 2014: Paris, France.
14. **Golightly YM**, Hannan MT, Hillstrom HJ, Dufour AB, Nelson AE, Dore A, Jordan JM. The Link Of Foot Structure and Foot Function With Falls: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, October 28, 2013; San Diego, CA.
15. **Golightly YM**, Hannan MT, Dufour AB, Nelson AE, Dore A, Jordan JM. Foot Symptoms Increase Odds Of Falling: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, October 27, 2013; San Diego, CA.
16. Nelson AE, Smith MW, **Golightly YM**. "Generalized Osteoarthritis": A Systematic Review. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, October 27, 2013; San Diego, CA.
17. Dore A, **Golightly YM**, Mercer V, Renner JB, Shi XA, Jordan JM, Nelson AE. Risk Of Falls Increases With Additional Symptomatic Osteoarthritic Joints: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, October 27, 2013; San Diego, CA.

18. Hannan MT, Dufour AB, **Golightly YM**, Casey VA, Hagedorn TJ, Riskowski JL, Hillstrom HJ, Jordan JM. Race interactions and foot function in older adults: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2013 Congress April 19-20, 2013; Philadelphia, PA. *Osteoarthritis and Cartilage, Volume 21, Supplement, April 2013, Page S152.*
19. Dufour AB, Hannan MT, Katz PP, **Golightly YM**, Hagedorn TJ, Jordan JM. Leg muscle mass and foot pain, structure and function: The Johnston County Osteoarthritis Study. Presented at: Osteoarthritis Research Society International 2013 Congress April 19-20, 2013; Philadelphia, PA. *Osteoarthritis and Cartilage, Volume 21, Supplement, April 2013, Pages S157-S158.*
20. **Golightly YM**, Hannan MT, Hillstrom HJ, Jordan JM. Foot disorders associated with foot-related symptoms and function. Presented at: Translational Science Meeting, April 18, 2013; Washington, D.C.
21. **Golightly YM**, Hannan MT, Dufour AB, Hillstrom HJ, Jordan JM. Foot disorders associated with over-pronated and over-supinated foot types: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 11, 2012; Washington, D.C.
22. **Golightly YM**, Nelson AE, Kraus VB, Renner JB, Jordan JM. General joint hypermobility and hip osteoarthritis: The Johnston County Osteoarthritis Project. Presented at: Arthritis Foundation Segal North-American Osteoarthritis Workshop (SNOW V) on Injury and Osteoarthritis, October 26-28, 2012 in Chicago, IL.
23. **Golightly YM**, Nelson AE, Kraus VB, Renner JB, Jordan JM. General joint hypermobility and hip osteoarthritis: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2012 Congress April 27-28, 2012; Barcelona, Spain. *Osteoarthritis and Cartilage, Volume 20, Supplement 1, April 2012, Page S182.*
24. Jordan JM, Smith S, Maixner W, **Golightly YM**, Hsu Y-H, Hannan MT. Genome-wide association study of hallux valgus: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2012 Congress April 27-28, 2012; Barcelona, Spain. *Osteoarthritis and Cartilage, Volume 20, Supplement 1, April 2012, Page S194.*
25. Nelson AE, Renner JB, **Golightly YM**, Schwartz TA, Kraus VB, Helmick CG, Jordan JM. Differences in multi-joint symptomatic osteoarthritis phenotypes by race and gender: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2012 Congress April 27-28, 2012; Barcelona, Spain. *Osteoarthritis and Cartilage, Volume 20, Supplement 1, April 2012, Page S156.*
26. **Golightly YM**, Hannan MT, Dufour AB, Renner JB, Jordan JM. Factors associated with hallux valgus: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 7, 2011; Chicago, IL.
27. Goode AP, Kraus VB, **Golightly YM**, Marshall SW, Irwin DE, Jordan JM. Association of lumbar spine individual radiographic features with serum C-propeptide (sCPII) and serum collagen neoepitope (sC2C) of Type II collagen: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 7, 2011; Chicago, IL.
28. **Golightly YM**, DeVellis RF, Roos EM, Lohmander LS, Hannan MT, Nelson AE, Jordan JM. Psychometric properties of the Foot and Ankle Outcome Score (FAOS) in a community-based osteoarthritis study. Presented at: Osteoarthritis Research Society International 2011 World Congress September 16-17, 2011; San Diego, CA. *Osteoarthritis and Cartilage, Volume 19, Supplement 1, September 2011, Page S153.*

29. Allen KD, **Golightly YM**, Helmick CG, Ibrahim SA, Kwok CK, Renner JB, Jordan JM. Racial and gender differences in willingness to undergo total joint replacement: The Johnston County Osteoarthritis Project. Presented by YM Golightly at: Osteoarthritis Research Society International 2011 World Congress September 16-17, 2011; San Diego, CA. *Osteoarthritis and Cartilage, Volume 19, Supplement 1, September 2011, Pages S155-S156.*
30. Goode AP, Kraus VB, **Golightly YM**, Marshall SW, Jordan JM. Association of lumbar spine individual radiographic features with urinary cross-linked C-telopeptide of type II collagen (CTX-II) and serum hyaluronan: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research Society International 2011 World Congress September 16-17, 2011; San Diego, CA. *Osteoarthritis and Cartilage, Volume 19, Supplement 1, September 2011, Page S73.*
31. Nelson AE, DeVellis RF, DeVellis BM, **Golightly YM**, Maixner W, Jordan JM. Identifying pain vulnerability phenotypes in osteoarthritis. Presented at: Osteoarthritis Research Society International 2011 World Congress September 16-17, 2011; San Diego, CA. *Osteoarthritis and Cartilage, Volume 19, Supplement 1, September 2011, Pages S8-S9.*
32. **Golightly YM**, Dufour AB, Jordan JM, Kaplan J, Hannan MT. Racial differences in foot disorders: The Johnston County Osteoarthritis Project. Presented at: American Podiatric Medical Association July 29, 2011; Boston, MA.
33. **Golightly YM**, Hannan MT, Dufour AB, Jordan JM. Racial differences in foot disorders: The Johnston County Osteoarthritis Project. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 9, 2010; Atlanta, GA.
34. **Golightly YM**, Marshall SW, Kraus VB, Renner JB, Villaveces A, Casteel C, Jordan JM. Serum cartilage oligomeric matrix protein, hyaluronan, high-sensitivity C-reactive protein, and keratin sulfate as predictors of incident radiographic knee osteoarthritis: Difference by chronic knee symptoms. Presented at: Osteoarthritis Research International Society World Conference September 24-25, 2010; Brussels, Belgium. *Osteoarthritis and Cartilage, Volume 18, Supplement 2, October 2010, Pages S62-S63.*
35. Nelson AE, **Golightly YM**, Kraus VB, Stabler T, Renner JB, Jordan JM. Serum transforming growth factor-beta 1 as a biomarker of incident and progressive radiographic osteoarthritis at the knee: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research International Society World Conference September 24-25, 2010; Brussels, Belgium. *Osteoarthritis and Cartilage, Volume 17, Supplement 1, September 2009, Pages S65-S66.*
36. **Golightly YM**, Hannan MT, Helmick CG, Shi QA, Renner JB, Jordan JM. Chronic foot symptoms and self-reported and performance based physical function: The Johnston County Osteoarthritis Project. A summary of this work was presented on October 20, 2009 at the American College of Rheumatology/ Association of Rheumatology Health Professionals conference in Philadelphia, PA.
37. **Golightly YM**, Nelson A, Kraus VB, Stabler T, Renner JB, Jordan JM. Serum cartilage oligomeric matrix protein (COMP) and incident and progressive radiographic osteoarthritis at the knee and hip: The Johnston County Osteoarthritis Project. Presented at: Osteoarthritis Research International Society World Conference September 11-12, 2009 in Montreal, Canada; Arthritis Foundation Segal North-American Osteoarthritis Workshop on Injury and Osteoarthritis, October 1-3, 2009 in Chicago, IL. *Osteoarthritis and Cartilage, Volume 17, Supplement 1, September 2009, Page S64.*
38. **Golightly YM**, Marshall SW, Callahan LF, Guskiewicz K. Arthritis in retired National Football League players. Presented at: Society for Advancement of Violence and Injury Research; March 6, 2009 in Atlanta, GA, and the Arthritis Foundation Segal North-American Osteoarthritis Workshop on Injury and Osteoarthritis, October 1-3, 2009 in Chicago, IL.

39. **Golightly YM**, Nelson A, Kraus VB, Stabler T, Renner JB, Jordan JM. Serum cartilage oligomeric matrix protein (COMP) and incident and progressive radiographic osteoarthritis at the knee and hip: The Johnston County Osteoarthritis Project. A summary of this work was presented on April 24, 2009 at the OA Biomarker Global Initiative Meeting, Bethesda, MD.
40. **Golightly YM**, Allen KD, Helmick CG, Renner JB, Jordan JM. Relationship of limb length inequality with knee and hip symptoms. Presented at: the American College of Rheumatology/ Association of Rheumatology Health Professionals conference October 26, 2008; San Francisco, CA.
41. **Golightly YM**, Marshall SW, Callahan LF, Guskiewicz K. Arthritis in retired National Football League players. Presented at: American College of Rheumatology/ Association of Rheumatology Health Professionals, November 9, 2007; Boston, MA.
42. **Golightly YM**, Allen KD, Helmick CG, Renner JB, Salazar A, Jordan JM. Relationship of limb length inequality with radiographic knee and hip osteoarthritis. Presented on November 12, 2006 at the American College of Rheumatology/ Association of Rheumatology Health Professionals conference in Washington, D.C.
43. **Golightly YM**, Allen KD, Bosworth HB. Racial differences in treatment decision-making among veterans with osteoarthritis. Presented at: VA Health Services Research and Development National Meeting, February 16, 2006; Washington, D.C.

Non-refereed Publications

1. Yates AJ, McGrory BJ, Starz TW, Vincent KR, McCardel B, **Golightly YM**. Case studies AAOS Appropriate Use Criteria: Optimizing the non-arthroplasty management of osteoarthritis of the knee. *Journal of the American Academy of Orthopaedic Surgeons* 2014; 22 (4): 261-7
2. **Golightly YM**, Allen KD. Invited commentary: Land-based exercise for knee osteoarthritis: recommendations for informing practice. *Physical Therapy Reviews* 2014; 19 (2): 147-8
3. **Golightly YM**, Marshall SW, Caine DJ. Youth sports and osteoarthritis of the lower extremity. *Lower Extremity Review Magazine* 2011; cover story
4. Marshall SW, **Golightly YM**. Sports injury and arthritis. *North Carolina Medical Journal* 2007; 68 (6): 430-33

Invited Oral Presentations

- “The Osteoarthritis Action Alliance Impact on Aging in America. Osteoarthritis: An Overview.” Presented at: American Society on Aging’s Aging in America Conference, Washington, D.C.; March 21, 2016.
- “Bridging Research and Advocacy: The Osteoarthritis Action Alliance Update.” Presented at: American College of Rheumatology/Association of Rheumatology Health Professionals Annual Scientific Meeting, San Francisco, CA; November 11, 2015.
- “The Prevalence Ratio as an Alternative to the Odds Ratio for Cross-sectional Studies.” Presented at: American College of Rheumatology/Association of Rheumatology Health Professionals Annual Scientific Meeting, Boston, MA; November 18, 2014.
- “Long-Term Consequences of Musculoskeletal Disorders on Public Health.” Presented at: Lunch with the Dean, University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC: September 2, 2014.

“Leg Length Inequality and Osteoarthritis.” Osteoarthritis Action Alliance Lunch and Learn. University of North Carolina, Chapel Hill, NC: August 20, 2014.

“Biomarkers & Biomechanics Associated with Injury-Mediated Osteoarthritis: A Study of Military Cadets.” 2013-North Carolina Cartilage – Arthritis Research Alliance (NC-CARA) Meeting. Wake Forest University, Winston-Salem, NC; October 11, 2013.

“Limb Length Inequality and Foot Disorders: The Johnston County Osteoarthritis Project.” Presented at UNC Department of Medicine, Division of Rheumatology, Allergy, and Immunology Grand Rounds, University of North Carolina, Chapel Hill, NC; October 4, 2013.

“Musculoskeletal Epidemiology: The Johnston County Osteoarthritis Project.” Presented at UNC Division of Physical Therapy Grand Rounds, University of North Carolina, Chapel Hill, NC; April 11, 2013.

“Beyond the basics: A real life example of multiple imputation for missing data problems. Introduction to the Johnston County Osteoarthritis Project.” Presented at American College of Rheumatology/Association of Rheumatology Health Professionals Annual Scientific Meeting, Washington, D.C.; November 14, 2012.

“Limb length inequality and osteoarthritis”. 2012-North Carolina Cartilage – Arthritis Research Alliance (NC-CARA) Meeting. The Friday Center, University of North Carolina, Chapel Hill, NC; March 20, 2012.

“Epidemiologic research on osteoarthritis, musculoskeletal disorders, and injury of the lower extremity.” Presented at School of Allied Health Research Seminar Series, University of Nebraska Medical Center, Omaha, NE; January 12, 2012.

TEACHING ACTIVITIES

Lectures

Guest Lecturer 2010
HMSC 886, Understanding Research, “Epidemiologic Methods” (1 class)
Human Movement Science, University of North Carolina, Chapel Hill, NC

Teaching Assistant

2008
EPID 600, Principles of Epidemiology for Public Health
Department of Epidemiology, University of North Carolina, Chapel Hill, NC

2004
PHYT 299, Seminar in Differential Physical Therapy
Division of Physical Therapy, University of North Carolina, Chapel Hill, NC

Student Advising

PhD Advising

Current

Member of Doctoral Committee March 2015- present
Student: Jennifer Jones
Research: Antihypertensive use and fractures among older adults
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

Graduated

Member of Doctoral Committee July 2014- May 2016
Student: Rebecca Yau, PhD
Research: Risk factors for musculoskeletal injuries and eating disorders/disordered eating among high school and university dancers
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

Member of Doctoral Committee September 2012- May 2015
Student: Karen Roos, MSPT, ATC, PhD
Research: Overuse Injuries in High School and Collegiate Populations: Occurrence and Methodological Issues in Surveillance Data
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

Member of Doctoral Committee July 2012- May 2014
Student: Rebecca Begalle, PhD, ATC
Research: The Effect of Anterior Cruciate Ligament Injury and Reconstruction on Lower Extremity Landing Biomechanics and Asymmetry in Female Adolescents
Human Movement Science PhD Candidate, University of North Carolina, Chapel Hill, NC

Current

Mentor for Medical Student Training in Aging Research (MSTAR) Program March 2016-present
Student: Allen Tsai, Northeast Ohio Medical University
Research: Foot biomechanics and physical function
Primary mentor: Yvonne Golightly
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Medical School/MD Advising

Current

Mentor for Medical Student Training in Aging Research (MSTAR) Program March 2016-present
Student: Allen Tsai, Northeast Ohio Medical University
Research: Foot biomechanics and physical function
Primary mentor: Yvonne Golightly
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Co-mentor for Medical Student May 2015- present
Student: Shahmeer Lateef, University of North Carolina
Research: Ankle osteoarthritis and joint shape
Primary mentor: Amanda Nelson
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Fellowship / Training Completed

Co-mentor for Rheumatology Fellow January 2013-June 2014
Fellow: Adam Dore, MD
Research: Epidemiology of falls and osteoarthritis
Primary mentor: Amanda Nelson
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Co-mentor for Medical Student Training in Aging Research (MSTAR) Program June-August 2011
Medical Students: Imran Aslam, BS (Northeast Ohio Medical School)
Irina Perjar, BA (University of North Carolina)
Primary Mentors: Joanne Jordan MD, MPH; Amanda Nelson MD, MSCR
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Doctor of Physical Therapy (DPT) Advising

Completed

Member of Committee for Doctor of Physical Therapy Capstone Project February 2016- May 2016
Student: Annemarie Erich
Project: Interventions for osteoarthritis
Primary mentor: Michael T. Gross, PT, PhD
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Postdoctoral Advising

Current

Mentor for Postdoctoral Research Associate August 2016 - present
Mentee: Portia Flowers, PhD
Research: Racial differences in joint hypermobility, injury, and osteoarthritis
Thurston Arthritis Research Center, University of North Carolina, Chapel Hill, NC

Faculty Advising

Current

Co-mentor for Assistant Professor March 2016 - present
Mentee: Carla Hill, DPT, MPT, OCS, Cert MDT
Research: Knee osteoarthritis
Division of Physical Therapy, University of North Carolina, Chapel Hill, NC

Awards won by Advisees

Rebecca Yau
2015, University of North Carolina Graduate School Summer Fellowship

Other Mentoring Activities

Faculty member of University of North Carolina Injury Epidemiology Journal Club, teaching and reviewing epidemiologic methods relevant to injury research 2012-present

Member of Intradepartmental Review Committee December 2, 2014
Student: Apostolos Alexandridis
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

Member of Intradepartmental Review Committee March 2014
Student: Rebecca Yau
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

Member of Intradepartmental Review Committee
Student: Jared Parrish
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

November 2013

Mentor in epidemiologic musculoskeletal research for
4th year undergraduate student
Student: Swathi Krishnarajapet
Research: Foot disorders and biomechanics
Exercise and Sport Studies, Rutgers University, New Brunswick, NJ

January –March 2013

Member of Intradepartmental Review Committee
Student: Karen Roos, MSPT, ATC
Injury Epidemiology PhD Candidate, University of North Carolina, Chapel Hill, NC

September 2012

GRANTS

Current

3R01AR067743-02S1 (PI: Golightly) 8/22/2016 – 4/30/2018

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Title: Research Supplements to Promote Diversity in Health-Related

Research: Joint Hypermobility and Lower Body Osteoarthritis

Purpose: The overall goal of the parent project is to define the contribution of joint hypermobility to lower body osteoarthritis (OA). The independent research project of the postdoctoral associate Dr. Portia Flowers will examine the association of joint hypermobility and OA by race (African American and Caucasian).

\$82,876

Role: Principal Investigator and Primary Mentor

2KR661506 (PI: Golightly) 11/1/2015-10/30/2016

NC TraCS

Title: Falls Prevention Program for Adults with Osteoarthritis

Purpose: To assess the feasibility of using Otago Exercise Program enhanced with the Arthritis Foundation's Walk with Ease among 10 osteoarthritis patients in Johnston County, North Carolina.

\$2000

Role: Principal Investigator

W911QY-15-1-0013 (PI: Cameron) 9/15/2015-3/14/2017

U.S. Army Medical Department Advanced Medical Technology Initiative

Title: Using a Telehealth Platform to Deliver Innovative Therapeutic Care for Military Service Members at High Risk for Post-traumatic Osteoarthritis

Purpose: To facilitate appropriate ongoing therapeutic follow-up for military service members with a history of traumatic knee joint injury. Using an established telehealth platform, we will create a virtual knee health clinic that delivers innovative therapeutic care to limit progression to post-traumatic osteoarthritis. These methods include ongoing symptom assessment, advice regarding appropriate nutrition and weight management, maximizing physical activity while limiting joint loading, information about pharmaceuticals and intra-articular therapies, and self-management approaches to optimize joint health in this high risk population.

\$100,865

Role: Co-investigator

R21AR067560

(PI: Pietrosimone)

9/1/2015-8/31/2017

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Title: Improving Disability in Knee Osteoarthritis by Targeting Neuromuscular Deficits

Purpose: To report the feasibility and determine the initial effects of using transcutaneous electrical nerve stimulation to target neuromuscular activation deficits and enhance the traditional therapeutic exercise provided to knee osteoarthritis patients in physical therapy clinics.

\$167,200

Role: Co-investigator

W81XWH-14-DMRDP-CRMRP-NMSIRA (PI: Blackburn)

8/1/2015-7/31/2018

Clinical and Rehabilitative Medicine Research Program/Joint Program Committee 8

Neuromusculoskeletal Injuries Research Award

Defense Health Program (DHP), Defense Medical Research and Development Program (DMRDP), Department of Defense (DOD), and Congressionally Directed Medical Research Programs

Title: Effects of local and whole body vibration on quadriceps function, proprioception, and gait biomechanics following anterior cruciate ligament injury.

Purpose: To identify methods for rehabilitation of traumatic knee injuries and prevention of post-traumatic knee OA.

\$511,344 (Direct)

Role: Co-investigator

R01AR067743

(PI: Golightly)

5/1/2015-4/30/2019

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Title: The Role of Joint Hypermobility in Lower Body Osteoarthritis

Purpose: To rigorously assess associations of joint hypermobility, injury, and lower body osteoarthritis in the largest study (combining three large musculoskeletal cohort studies) ever conducted of participants with and without osteoarthritis.

\$343,459 (Direct)

Role: Principal Investigator

No Award Number

(PI: Callahan)

1/1/2015-9/30/2016

Arthritis Foundation

Title: OsteoArthritis Action Alliance (OAAA)

The OAAA strives to increase awareness of the burden and health impacts of arthritis, targeting three of the areas identified in the osteoarthritis Agenda: physical activity, weight management, and injury prevention.

\$229,992 (Direct)

Role: Co-Investigator

CER-1306-02043

(PI: Allen)

7/1/2014-6/30/2017

Patient-Centered Outcomes Research Institute (PCORI)

Title: Physical Therapy vs. Internet-Based Exercise Training for Patients with Knee Osteoarthritis

This project will compare standard physical therapy (PT) with an internet-based exercise training program (IBET) for patients

with knee osteoarthritis (OA). Both of these programs will be compared to a wait list control group (WL) that receives a program after their study assessments are complete. The project will also evaluate patient characteristics that may be associated with different levels of improvement in PT or IBET.

\$496,962 (Direct)

Role: Co-Investigator

P-60 AR062760

(PI: Jordan)

7/19/2013-6/30/2018

Multidisciplinary Clinical Research Center

Source: National Institute of Arthritis and Musculoskeletal and Skin Diseases

Title: Mitigating the Impact of Osteoarthritis

Project 2 Title: Biomarkers & Biomechanics Associated with Injury-Mediated Osteoarthritis

This application proposes a new Multidisciplinary Clinical Research Center at the Thurston Arthritis Research Center at the University of North Carolina, focusing on mitigating the public health impact of osteoarthritis (OA).

The overall objective of Project 2 is to determine whether changes in lower extremity biomechanics and serum biomarkers following anterior cruciate ligament injury can be used to detect individuals at risk for injury-mediated osteoarthritis.

This study will examine military cadets from the large cohort study Joint Undertaking to Monitor and Prevent Anterior Cruciate Ligament Injury (JUMP-ACL)

Study (PI: Stephen Marshall, PhD).

\$800,000 (Direct)

Role: Co-Investigator on Project 2 and Methodology Core

UO1DP003206-01

(PI: Jordan)

9/30/2011–9/29/2016

Centers for Disease Control and Prevention

Title: The Johnston County OA Project: Arthritis and Disability

This is a longitudinal population-based cohort study of risk factors for incidence and progression of osteoarthritis and disability.

Aim 3 of this study is to examine leg length inequality as a potentially modifiable risk factor for incidence and progression of knee and hip osteoarthritis, knee and hip symptoms, and disability and to determine whether these associations vary by race.

\$600,464 (Direct)

Role: Co-Investigator

Awarded

CDC-RFA-DP16-1606

(PI: Callahan)

10/1/2016–9/30/2021

Centers for Disease Control and Prevention - Advancing Arthritis

Public Health Approaches through National Organizations

OsteoArthritis Action Alliance (OAAA)

The OAAA strives to increase awareness of the burden and health impacts of arthritis, targeting three of the areas identified in the osteoarthritis

Agenda: physical activity, weight management, and injury prevention.

Role: Co-Investigator/ Grants Program Manager

RFA-DP-16-003

(PI: Jordan)

9/30/2016–9/29/2021

Centers for Disease Control and Prevention

Johnston County Osteoarthritis Project: Arthritis, Disability, and Other Chronic Diseases

This is a longitudinal population-based cohort study of risk factors for incidence and progression of osteoarthritis and disability. Aim 3 of this study is to examine leg length inequality as a potentially modifiable risk factor for incidence and progression of knee and hip osteoarthritis, knee and hip symptoms, and disability and to determine whether these associations vary by race.

Role: Co-Investigator

No award number (PI: Smith-Ryan) 10/1/2016–9/30/2017
REACT Center Pilot Studies Rehabilitation Research Resources to Enhance Clinical Trials
Source: University of Alabama at Birmingham
Title: High Intensity Interval Training for Knee Osteoarthritis
Purpose: To examine the feasibility of conducting a high intensity interval training (HIIT) intervention in patients with symptomatic knee OA (40-75 years old) and to obtain preliminary data on changes in physiological changes in skeletal muscle metabolism during and after HIIT.
\$ 39,642

Role: Co-Investigator

Completed

Pilot Grant Program-Planning Grant (PI: Jordan) 1/1/2014-6/30/2015
North Carolina Translational and Clinical Sciences Institute (NC TraCS)
Title: Biomarker & Biomechanical Predictors of Osteoarthritis in ACL-Injured Patients
This planning grant will establish an interdisciplinary research infrastructure designed to collect biomarker and biomechanical data on patients undergoing ACL reconstruction. This will enable us to pursue future funding opportunities, particularly clinical trials in innovative intra-articular therapies to prevent post-traumatic knee OA, in this highly competitive field that is gathering increasing attention from the NIH, the Arthritis Foundation, and private industry.
\$50,000

Role: Co-investigator

KL2TR001109 (PI: Runge) 11/1/2013-4/30/2015
NIH/NCATS
North Carolina Translational & Clinical Sciences Institute (NC TraCS)
The overall goal of this application is to combine the research strengths, resources and opportunities at UNC and new partner, RTI International, to build on the foundation established in the CTSA's last five years. NC TraCS will work to improve human health by accelerating clinical and translational research from health science discovery to dissemination to patients and communities.
Project Title: Defining and Correcting Limb Length Inequality (LLI) in Adults with Knee or Hip Symptoms
The study will examine clinical assessment methods for LLI, determine if there is an association between foot posture (flat, normal, or high arch) and LLI, and gather preliminary data in preparation for R01 application to fund a larger LLI intervention study.
\$1,139,647 (Direct)

Role: Scholar

Junior Faculty Development Award (Co-PIs: Nelson, **Golightly**) 1/1/2014-12/31/2014
Committee on Faculty Research and Study Leaves
Title: Hip Shape and Leg Length Inequality

The purpose of this project is to determine whether hip shape varies according to leg length inequality (LLI) status and by magnitude of LLI in Johnston County Osteoarthritis Project cohort study.

\$7,500

Role: Co-Principal Investigator

No Award Number

(Co-PIs: Callahan, **Golightly**)

10/1/2013-9/30/2014

Arthritis Foundation

Physical Activity White Paper

Solicitation of a research paper (white paper) regarding the short- and/or long-term impacts of physical activity on arthritis prevention, progression and pain management, as well as the potential economic impacts of physical activity on all forms of arthritis, and co-morbidities associated with arthritis.

\$92,358 (Direct)

Role: Co-Principal Investigator

KL2TR000084

(PI: Runge)

5/19/2008 - 4/30/2014

National Institutes of Health/National Center for Advancing Translational Sciences

UNC Clinical Translational Science Award-K12 Scholars Program (KL2)

A national consortium with the goal of transforming how clinical and translational research is conducted, ultimately enabling researchers to provide new treatments more efficiently and quickly to patients.

Project Title: Defining and Correcting Limb Length Inequality (LLI) in Adults with Knee or Hip Symptoms

The study will examine clinical assessment methods for LLI, determine if there is an association between foot posture (flat, normal, or high arch) and LLI, and gather preliminary data in preparation for R01/R21 applications to fund a larger LLI intervention study.

\$2,090,864 (Direct)

Role: Scholar

Postdoctoral Fellowship Renewal Award

(PI: Golightly)

9/1/2012-8/31/2013

Arthritis Foundation

Quality of a Foot Outcome Measure in a Community-Based Osteoarthritis Study

The purpose of the proposed project continuation is to identify foot disorders (from physical examination data) and foot types (from biomechanical data) associated with foot symptoms and functional limitations (from the Foot and Ankle Outcome Score [FAOS]) in the Johnston County Osteoarthritis Project.

\$50,000 (Direct)

Role: Principal Investigator

Postdoctoral Fellowship Award

(PI: Golightly)

9/1/2010-8/31/2012

Arthritis Foundation

Quality of a Foot Outcome Measure in a Community-Based Osteoarthritis Study

The purpose of this study is to examine the reliability and validity of the Foot and Ankle Outcomes Score (FAOS) to determine whether it is a useful questionnaire among a large, community-based sample of

African American and Caucasian men and women 50+ years old from the Johnston County Osteoarthritis Project.

Training and results from this project led to the current Arthritis Foundation Fellowship Renewal Award.

\$50,000 (Direct)

Role: Principal Investigator

Arthritis and Immunology NIH T-32 Training Grant AR-07416
National Institutes of Health

8/23/2006-8/27/2010

This research examined joint injury and osteoarthritis, biomarkers of osteoarthritis, leg length inequality, and foot problems in the Johnston County Osteoarthritis Project.

Training and results from this research led to the Arthritis Foundation Fellowship Award and the current UNC Clinical Translational Science Award-K12 Scholars Program (KL2).

Predocutorial Stipend of \$20,000/year

(plus Student Health Insurance and Graduate Courses)

Role: Trainee

Dissertation Advisor: Stephen W. Marshall, PhD; Mentor: Joanne M. Jordan, MD, MPH

Pending

R21 PA-13-303 (Lead PI: Golightly, PI: Smith-Ryan)

resubmitted July 16, 2016

Source: National Institute of Child Health and Human Development (NICHD)

Title: High Intensity Interval Training for Knee Osteoarthritis

Purpose: To improve outcomes among individuals with knee osteoarthritis using a novel exercise approach for disease management: high intensity interval training.

Role: Lead Principal Investigator

R01 PA-16-097 (Lead PI: Goode [Duke University], **UNC Site PI: Golightly**) submitted June 5, 2016

Source: National Institute of Arthritis and Musculoskeletal and Skin Diseases

Title: Biomarkers to Advance Clinical Phenotypes of Low Back Pain (Back)

Purpose: To phenotype patients underlying causes of low back pain to decrease the heterogeneity in the diagnosis of LBP. This project will conduct the first longitudinal analyses of biomarkers and the largest (n=3,146) analysis of predictive factors ever performed in the lumbar spine by capitalizing on extant data from two large existing cohorts: the Johnston County Osteoarthritis Project and Genetics of Generalized Osteoarthritis Study.

Role: Co-Investigator, UNC Site Principal Investigator

PROFESSIONAL SERVICE

University

Member of University of North Carolina Epidemiology Admissions Committee 2016-present

Member of University of North Carolina Epidemiology Graduate Studies Committee 2014-2016

Member of 2-person subcommittee to design and score University of North Carolina Injury Epidemiology Qualifying Examination for doctoral students 2015-present

Member of 3-person subcommittee to design and score University of North Carolina Epidemiology Methods Qualifying Examination for doctoral students 2014

National/International

Member of Editorial Board for <i>Arthritis Care & Research</i>	2016-present
Member of Osteoarthritis Action Alliance Steering Committee & Group 2: Fostering Communities	2015-present
Member of American College of Rheumatology Abstract Oversight Selection Subcommittee	2014-present
Reviewer of abstracts submitted to Society for Epidemiologic Research	2015-present
Member of Editorial Board for <i>Osteoarthritis and Cartilage</i>	2012-present
Reviewer of abstracts submitted to Epidemiology and Research Methodology Sections for the American College of Rheumatology/ Association of Rheumatology Health Professionals Annual Scientific Meetings	2011-present
Member of Arthritis Foundation Physical Activity Expert Panel	2014-2015
Advisor on Brief Educational Tool To Enhance Recovery (BETTER) from Pain, Hartford Foundation Collaborative Pilot Project	2014-2015
Member of Osteoarthritis Research Society International Randomized Controlled Trial Guidelines, Clinical Trials Diet-Exercise workgroup and Clinical Trials Implementation workgroup	2013-2015
Member of Osteoarthritis Action Alliance Injury Prevention, Physical Activity, and Obesity Workgroups	2013-2015
American College of Rheumatology Quality of Care Committee	2011-2014
Member of voting panel of the American Academy of Orthopaedic Surgeons (AAOS) Appropriate Use Criteria for Non-Arthroplasty Treatment of Osteoarthritis of the Knee	2013
Arthritis Foundation Arthritis Walk Organizing Committee Member and Team Captain	2009-2013
Advisor to the Arthritis Foundation's Walk with Ease Online Program Development	2012
American College of Rheumatology/ Association of Rheumatology Health Professionals 2011 Annual Scientific Meeting Program Subcommittee	2010-2011
Association of Rheumatology Health Professionals Research Committee	2008-2010

Grant Review

Reviewer of Arthritis Foundation 2015 Delivering on Discovery	2015
Reviewer for Arthritis Research UK Project Grant	2011-2015
Reviewer for Arthritis Society Canada Letters of Intent for Strategic Operating Grants	2014
Reviewer for Arthritis Foundation Investigator Awards and Arthritis Foundation Innovative Research Grants	2013

Reviewer for National Athletic Trainers Association Research and Education Foundation	2013
Reviewer for Arthritis Foundation New Investigator Award	2010-2012
<u>Reviewer for Professional Journals</u>	
Reviewer for BMC Musculoskeletal Disorders	2014-present
Reviewer for <i>Seminars in Arthritis and Rheumatism</i>	2013-present
Reviewer for <i>Journal of Rheumatology</i>	2011-present
Reviewer for <i>Arthritis and Rheumatism</i>	2011-present
Reviewer for <i>Arthritis Care and Research</i>	2010-present
Reviewer for <i>Osteoarthritis and Cartilage</i>	2007-present