

## CURRICULUM VITAE

Daniel Kenta White  
December, 2012

[dwtbn@bu.edu](mailto:dwtbn@bu.edu)  
(617) 638 4316

### EDUCATION

M.Sc.	2013	School of Public Health, Boston University	Epidemiology
Post-doc	2009	School of Public Health, Boston University	Post Doc Fellowship
Sc.D.	2007	Sargent College, Boston University	Rehab. Science
M.S.	2000	Sargent College, Boston University	Physical Therapy
B.S.	1998	Sargent College, Boston University	Health Sciences

Board Certified Neurologic Clinical Specialist (NCS)  
American Board of Physical Therapy Specialties  
2005-2015

### ACADEMIC AND RESEARCH APPOINTMENTS

2011 – present	Adjunct Scientist Human Nutrition Research Center on Aging Tufts University Medical Center, Boston, MA
2009 – present	Research Assistant Professor Department of Physical Therapy and Athletic Training Boston University, Boston, MA
2009 – 2010	Post-Doctoral Fellow Department of Rheumatology Boston University School of Medicine, Boston, MA
2007 – 2009	Post-Doctoral Fellow, Rehabilitation Outcomes and Effectiveness Health and Disability Research Institute Boston University School of Public Health, Boston, MA

### PROFESSIONAL CLINICAL APPOINTMENTS

2003 - 2007	Per Diem Physical Therapist Braintree Rehabilitation Hospital, Braintree, MA
2000 - 2003	Staff Physical Therapist Braintree Rehabilitation Hospital, Braintree, MA
2000 - 2002	Per Diem Physical Therapist Spaulding Rehabilitation Hospital, Boston, MA

### PROFESSIONAL HONORS AND AWARDS

Active Funding:

NCMRR through the Boston Rehabilitation Outcomes Center

Pilot Grant

“Identifying disability in older adults using accelerometry: Can we do better than self-report?”

\$30,000

2012-2013

American College of Rheumatology: Research and Education Foundation

Rheumatology Investigator Award

“Factors associated with change in daily walking in knee osteoarthritis”

\$375,000

2011-2014

American Physical Therapy Association: The Foundation for Physical Therapy

Geriatric Research Grant

“Factors associated with daily walking in older adults with knee osteoarthritis”

\$40,000

2011-2013

NIH-NIAMS Loan Repayment Program Award

2010-2014

Completed Funding:

Research Career Development Award

Boston Claude D. Pepper Older Americans Independence Center

\$60,000

2010-2012

Ruth L. Kirschstein Research Service Award

Boston University/ National Institutes of Health

\$42,000

2009-2010

American College of Rheumatology Research and Education Foundation’s New Investigator Award

\$100,000

2008-2010

Post-Doctoral Fellowship Award recipient

Boston University/National Institute on Disability and Rehabilitation Research

\$72,000

2007-2009

Awards:

2010 Notable Poster at the Association of Rheumatology Health Professionals Annual Meeting, Atlanta, GA

**PUBLICATIONS: REFEREED**

1. **White DK**, Tudor-Locke C, Felson D, Gross KD, Niu J, Nevitt M, Lewis C, Torner J, Neogi T. Walking to meet physical activity guidelines in knee OA: Is 10,000 steps enough? *Arch Phys Med Rehab.* 2012; In press.
2. **White DK**, Tudor-Locke C, Felson D, Gross KD, Niu J, Nevitt M, Lewis C, Torner J, Neogi T. Do radiographic disease and pain account for why people with or at high risk of knee osteoarthritis do not meet Physical Activity Guidelines? *Arthritis Rheum.* 2012; In press.
3. **White DK**, Neogi T, Nevitt M, Peloquin C, Zhu Y, Boudreau R, Cauley J, Ferrucci L, Harris T, Satterfield S, Simonsick E, Strotmeyer E, Zhang Y. Trajectories of gait speed predict mortality in well-functioning older adults: The Health, Aging and Body Composition Study. *J Gerontol A Biol Sci Med Sci.* 2012; In press.
4. **White DK**, Niu J, Zhang Y. Is symptomatic knee osteoarthritis a risk factor for a fast decline in gait speed? Results from the Osteoarthritis Initiative. *Arthritis Care Res.* 2012; In press.
5. Fitzgerald GK, **White DK**, Piva S. Associations for change in physical and psychological factors and treatment response following exercise in knee osteoarthritis: An exploratory study. *Arthritis Care Res.* 2012; In press. doi: 10.1002/acr.21751
6. **White DK**, Keysor JJ, Neogi T, Felson D, LaValley M, Gross KD, Niu J, Nevitt M, Lewis C, Torner J, Fredman L. When it hurts a positive attitude may help: The association of positive affect with daily walking in knee OA: The MOST Study. *Arthritis Care Res.* 2012; In press. doi: 10.1002/acr.21694
7. **White DK**, Neogi T, Zhang Y, Felson D, LaValley M, Niu J, Nevitt M, Lewis C, Torner J, Gross KD. The association of obesity with walking independent of knee pain: The Multicenter Osteoarthritis Study. *J Obes.* 2012; 2012:261974. PMID: 22645666
8. **White DK**, Choi H, Peloquin C, Zhu Y, Zhang Y. The secular trend of adhesive capsulitis. *Arthritis Care Res.* 2011;63:1571-5. PMID: 22034118
9. **White DK**, Felson D, Niu J, Lewis CE, Torner J, Nevitt M, Neogi T. Reasons for functional decline despite improvements in knee pain: The MOST Study. *Physical Therapy.* 2011;91:1849-56. PMID: 22033168.
10. **White DK**, Wilson, J, Keysor J. Measures of adults general function status. *Arthritis Care Res.* 2011;63:S297-S307. doi: 10.1002/acr.20638
11. **White DK**, Zhang Y, Niu J, Keysor J, Nevitt M, Lewis CE, Torner J, Neogi T. Do worsening radiographs mean greater chance of severe functional limitation? The MOST Study. *Arthritis Care Res.* 2010; 62:1433-9. PMID: 20506398
12. **White DK**, Zhang Y, Felson D, Niu J, Keysor J, Nevitt M, Lewis C, Torner J, Neogi T. The independent effect of pain in one versus two knees on the presence of low physical function: The MOST Study. *Arthritis Care Res.* 2010;62(7):938-943. PMID: 20191572
13. **White DK**, Jette AM, Felson DT, Lavalley MP, Lewis CE, Torner JC, Nevitt MC, Keysor JJ. Are features of the neighborhood environment associated with disability in older adults? *Disability and Rehabilitation.* 2010;32(8):639-45. PMID: 20205576

14. **White DK**, Keysor JJ, Lavalley MP, Lewis CE, Torner JC, Nevitt MC, Felson DT. Clinically important improvement in function is common in people with or at high risk of knee OA: the MOST study. *J Rheum.* 2010;37(6):1244-51. PMID: 20395640
15. Lew HL, Garvert DW, Pogoda TK, Hsu PT, Devine JM, **White DK**, & Myers P. Auditory and Visual Impairments in Patients with Blast-Related Traumatic Brain Injury: Effect of Dual Sensory Impairment on Functional Independence Measure. *J Rehabil Res Dev*, 2009;46:819-26. PMID: 20104405
16. **White DK**, Wagenaar RC, Ellis TD, Tickle-Degnen L. Changes in walking activity and endurance following rehabilitation for people with Parkinson disease. *Arch Phys Med Rehab* 2009;90(1):43-50. PMID: 19154828
17. Ellis, T., Katz, D., **White, DK.**, DePeiro, T., Hohler, A., Saint-Hilaire, M. Effectiveness of an Inpatient Multidisciplinary Rehabilitation Program for Patients with Parkinson's Disease. *Phys Ther.* 2008;88:812-19. PMID: 18436568
18. **White, DK.**, Wagenaar, R., Del Olmo, M., Ellis, T. Test re-test reliability of 24 hours of activity monitoring in individuals with Parkinson's disease in the home and community settings. *Neurorehabilitation and Neural Repair.* 2007;21:327-40. PMID: 17369513
19. **White, DK.**, Wagenaar, R., Ellis, T. Monitoring activities in individuals with Parkinson's disease: A validity study. *Journal of Neurologic Physical Therapy*; 2006;30:12-21. PMID: 16630367
20. Katz, D., **White, DK.**, Alexander, MP, Klein, RB. Recovery of Ambulation after Traumatic Brain Injury. *Arch Phys Med Rehab.* 2004;85:865-869. PMID: 15179637

## BOOK CHAPTERS

Keysor, JJ, **White, D** (2009) Community Participation and the Environment: Theoretical, Assessment and Clinical Implications. In G. Stucki (ed) 5<sup>th</sup> Edition, *Physical Medicine and Rehabilitation: Principle and Practice*. In Press.

**White, D**, Katz DI, Ellis, T. (2004) Rehabilitation of patients with atypical Parkinsonian disorders. In I. Litvan (ed) *Atypical Parkinsonian Disorders*. Humana Press, Totwa, NJ.

## PRESENTATIONS AT SCIENTIFIC MEETINGS

**White, DK.**, et al. How many steps/day are associated with a community level gait speed among older adults with or at high risk of knee OA? *American Physical Therapy Association, Combined Section Meeting*, San Diego, CA, January 2013

**White, DK.**, et al. Does unpredictable knee pain limit functional ability and walking frequency in knee OA? The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting*, Washington, DC, November 2012

**White, DK.**, et al. How many steps/day are associated with a community level gait speed among older adults with or at high risk of knee OA? *Association of Rheumatology Health Professionals. Annual Meeting*, Washington, DC, November 2012

**White, DK.**, et al. Factors associated with achieving Physical Activity Guidelines among those who can meet them: The MOST Study *American College of Sports Medicine Annual Meeting San Francisco, CA, May 2012*

Fitzgerald, GK, **White, DK**, Piva, S, Associations Between Changes in Impairments and Treatment Response Following Exercise Therapy in People with Knee Osteoarthritis: An exploratory study. Osteoarthritis Research Society International 2012 World Congress on Osteoarthritis. Barcelona, Spain April 2012

Keysor, J, Gross, D, **White, DK**. National Osteoarthritis Datasets: Opportunities for Physical Therapists. *American Physical Therapy Association, Combined Section Meeting, Chicago, IL, February 2012*

**White, DK.**, et al. Factors associated with achieving Physical Activity Guidelines among those who can meet them: The MOST Study *American Physical Therapy Association, Combined Section Meeting, Chicago, IL, February 2012*

LaValley, M and **White, DK**. To P or Not to P? Knowing When the P-Value is Less than Useful: *Time to Beat Up the P-value. Association of Rheumatology Health Professionals. Annual Meeting, Chicago, IL, November 2011*

**White, DK.**, et al. Is 10,000 Steps Enough to Meet Physical Activity Guidelines? The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting, Chicago, IL, November 2011*

**White, DK.**, et al. Is Knee Pain Relevant for Meeting Physical Activity Guidelines Among People with Knee OA Who Can Walk Already Walk At a Moderate Intensity? The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting, Chicago, IL, November 2011*

**White, DK.**, et al. "The Association of Symptomatic OA At Multiple Time Points with Functional Limitation Over 5 Years: The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting, Atlanta, GA, Chicago, IL, November 2011*

**White, DK.**, et al. Habitual walking for people with or at high risk of knee OA: The MOST Study *American Physical Therapy Association, Combined Section Meeting, New Orleans, LA, February 2011*

**White, DK.**, et al. Reasons for decline in walking despite improvements in knee pain: The MOST Study *American Physical Therapy Association, Combined Section Meeting, New Orleans, LA, February 2011*

**White, DK.**, et al. Reasons for decline in walking despite improvements in knee pain: The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting, Atlanta, GA, November 2010*

**White, DK.**, et al. Habitual walking for people with or at high risk of knee OA: The MOST Study *Association of Rheumatology Health Professionals. Annual Meeting, Atlanta, GA, November 2010*

**White, DK.**, et al. Age, Sex, and Birth Cohort Effects on the Incidence of Adhesive Capsulitis *Association of Rheumatology Health Professionals. Annual Meeting*, Atlanta, GA, November 2010

**White, DK.**, Felson, D., Niu, J., Keysor, J., Lewis, C., Torner, J., Nevitt, M., Neogi, T. Does it matter if both knees hurt? The effect of bilateral knee pain on functional limitation: The MOST Study *American Physical Therapy Association, Combined Section Meeting*, San Diego, CA, February 2010

**White, DK.**, Felson, D., Niu, J., Keysor, J., Lewis, C., Torner, J., Nevitt, M., Neogi, T. Do worsening knee radiographs mean more chance of poor functional outcome?: The MOST study *Association of Rheumatology Health Professionals. Annual Meeting*, Philadelphia, PA, October 2009

**White, DK.**, Felson, DF, et al. Minimal Detectable Change in Functional Limitation and Disability Over 30 Months among Older Adults with Knee Pain: The MOST Study. *American Physical Therapy Association, Combined Section Meeting*, Las Vegas, NV, February 2009

**White, DK.**, Keysor, JJ, et al. Better that matters. Frequency and predictors of meaningful functional improvements: The MOST Study. *Association of Rheumatology Health Professionals. Annual Meeting*, San Francisco, CA, November 2008

Keysor, J, **White, D.**, Prvu-Bettger, J. The Environment-Disablement Link: Interpretation of the Evidence in Terms of Clinical Implications. *Annual Conference & Exposition of the American Physical Therapy Association.* San Antonio, TX, 2008

## **MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

American Physical Therapy Association 1998-present  
Section Memberships: Research, Orthopedics, Geriatrics

Association of Rheumatology Health Professionals 2007-present

American College of Sports Medicine 2011-present

Gerontological Society of America 2012-present

Licensed to practice Physical Therapy  
Massachusetts 15125

## **PROFESSIONAL SERVICE**

American Physical Therapy Association:

2013-2015	Orthopedic Section, Research Committee Vice President
2011-2012	Orthopedic Section, Research Committee Member
2007-2010	Section on Research, Finance Committee Member
2007-2010	Neurology Section, SIG Nominating Committee
2006-2007	American Board of PT Specialties: Scientific Advisory Board

Ad hoc reviewer:

2009-present	<i>Arthritis Research &amp; Therapy</i>
2009-present	<i>Disability and Rehabilitation</i>
2009-present	<i>Osteoarthritis and Cartilage</i>
2010-present	<i>Journal of the American Geriatrics Society</i>
2011-present	Arthritis Care and Research
2011-present	Physiotherapy
2012-present	American Journal of Preventive Medicine
2012-present	Arthritis and Rheumatism
2012-present	Archives of Physical Medicine and Rehabilitation
2012-present	Geriatric Nursing
2012-present	Journals of Gerontology: Medical Sciences

Grant reviewer:

2012-present	Arthritis Research UK
2012-present	Rheumatology Research Foundation: American College of Rheumatology

### **TEACHING RESPONSIBILITIES**

#### MSPT/DPT Program

##### *Instructor*

2006- 2007	Neurological Systems II; Evaluation and Treatment	PT 653; 6cr
------------	--	-------------

##### *Lecturer*

2001- 2011	Neurological Systems I and II; Evaluation and Treatment	PT 652-3; 4cr
------------	--	---------------

##### *Laboratory Instructor*

2004- 2006	Process of Examination	PT 515; 4cr
2001- 2006	Neurological Systems I; Evaluation and Treatment	PT 652; 4cr

#### Transitional DPT Program; Distance Format

##### *Facilitator*

2004-present	Core t-DPT online courses	Various
--------------	---------------------------	---------