

K. Douglas Gross, DPT, ScD

School of Health & Rehabilitation Sciences
MGH Institute of Health Professions
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EDUCATION

ScD	Rehabilitation Sciences, Sargent College, Boston University	2006
DPT	Physical Therapy, MGH Institute of Health Professions, Boston	2013
MSc	Epidemiology, School of Public Health, Boston University	2012
MSc	Physical Therapy, University of California, San Francisco	1996
BS	Environmental Science, University of California, Berkeley	1991

POSTDOCTORAL TRAINING

Fellowship, Clinical Epidemiology (T32), Boston University School of Medicine	2006-2009
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CERTIFICATES AND LICENSURE

PT	Physical Therapist, Massachusetts, #12007	1998
CPed	Pedorthist, American Board Certified, #000830999	2013
OMT	Instructor, Orthopaedic Manual Therapy, Kaltenborn-Evjenth System	2001
FAAOMPT	Fellow, American Academy of Orthopaedic Manual PT, #9754	2000
PT	Physical Therapist, California, #22088	1996

ACADEMIC APPOINTMENTS

Associate Professor, MGH Institute of Health Professions, Boston	2011-
Assistant Professor, MGH Institute of Health Professions, Boston	2007-2011
Adjunct Assistant Professor, Research, Boston University School of Medicine	2012-2017
Instructor, Boston University, Sargent College	2001-2004

CLINICAL APPOINTMENTS

Physical Therapist; DPT Clinical Instructor; Orthopaedics Plus, Burlington, MA	2005-2006
Physical Therapist; Residency Instructor; Winchester Hospital, Winchester, MA	2000-2005
Physical Therapist; Falls Program Director; Orthopaedics Plus, Woburn, MA	1999-2000
Physical Therapist; Lahey Clinic, Burlington, MA	1998-1999
Physical Therapist; Loomis Medical & Osteopathic Clinic, Loomis, CA	1997-1998
Physical Therapist; Sierra Therapy & Hand Rehabilitation, Auburn, CA	1996-1997

ADMINISTRATIVE APPOINTMENTS

Director, Con. Ed. Cambridge Health Alliance Rehab Services, Somerville, MA	2006-2009
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HONORS AND AWARDS

Educator Influencer Award, Education Leadership Conference	2019
Nominee, Amer. Physical Therapy Association, Chattanooga Research Award	2011
Featured Interview, Reuter's News Agency	2011
Top Article in Internal Medicine, MDlinx Website	2010
Featured Interview, Arthritis Research	2008
Featured Interview, Arthritis Foundation	2007
Featured Interview, Harvard Health	2006

GRANTS

Current

NIH/ NIA, 1R43AG072991-02 PI: Contessa 2023-2024
NIH/ National institute on Aging
Augmented Reality Platform for Telehealth Rehabilitation, Phase 2
Role: Co-Investigator (10-15% effort)

Completed

NIH/ NIA, 1R43AG072991-01 PI: Contessa 2021-2022
NIH/ National Institute on Aging
Augmented Reality Platform for Telehealth Rehabilitation
Total: \$286,972
Role: Co-Investigator (10% effort)

NIH/ NIA 2U01AG018820-A1, PI: Felson 2015-2020
Multicenter Osteoarthritis Study (MOST) 2nd Renewal
Total: \$1.3M/ yr. (\$270k subcontract)
Role: Subcontract PI (25-50% effort)

American College of Rheumatology 2014-2017
Rheumatology Research Foundation
Investigator Award
Relation of Foot Mechanics to Medial Knee Load & Osteoarthritis Risk
Total: \$326,000
Role: Principal Investigator (50% effort)

American College of Rheumatology 2015
Rheumatology Research Foundation
Health Professions Research Preceptorship
Thrust during Walking and Knee Osteoarthritis Risk
Total: \$5,500
Role: Preceptor

NIH / NIA AG18820 PI: Felson 2008-2014
NIH / National Institute of Aging, U01
Multicenter Osteoarthritis Study (MOST) Renewal
Total: \$4,734,488 for 6-yr project.
Role: Subcontract PI (50% effort)

NIH / NIAMS AR047853 PI: Hannan 2008-2012
NIH/ National Institute of Arthritis & Musculoskeletal & Skin Disorders
Foot Disorders, Pain and Physical Disability in Elders
Total: \$3,250,000 for 5-yr project.
Role: Subcontract PI (15% effort)

Arthritis Foundation, New Investigator Award 2006-2009
Foot Type, Knee Pain, and Features of Osteoarthritis in Older Adults
Total: \$150,000
Role: Principal Investigator (50% effort)

American College of Rheumatology Research and Education Foundation Health Professions Graduate Student Research Preceptorship 2008-2009
Anatomical Origin of Forefoot Varus Deformity and Its Relationship to Signs of Hip and Patellofemoral OA in Cadavers.
Total: \$5,000
Role: Preceptor

Boston University Department of Medicine Pilot Project Award 2007-2008
A New Way to Evaluate Gait in Adults with Knee Osteoarthritis
Total: \$25,000
Role: Co-Principal Investigator (10% effort)

Boston University Aging Research Center 2004-2005
Foot Structural Abnormalities, Associations with Hip and Low Back Pain
Total: \$20,000
Role: Principal Investigator (30% effort)

PUBLICATIONS

Peer-Reviewed Articles

1. Catherine T. Schmidt, Sara Knox, Jane Baldwin, **Kevin D. Gross**, Jackie Tang, Diane Jette. Designing and Implementing a Competency-based Outcomes Process for Doctor of Physical Therapy Education. Health Professions Education. 2024 Aug 2. [Submission under review. No. HPE-D-24-00039R1].
2. Bhawna Shiwani, Serge H. Roy, Julie J. Keysor, **K. Doug Gross**, Rania Karim, Chris Clock, Catherine T. Schmidt, Joshua C. Kline. Augmented Reality Platform for Synchronous Telehealth Assessment of Knee Osteoarthritis: A Feasibility Study. BMC Musculoskeletal Disorders. 2024 June 21. [Submission under review ID: 6b324bca-7a33-4a13-8220-cc04848d15d7].
3. Patrick Corrigan, David Felson, Cara Lewis, Tuhina Neogi, Michael LaValley, **K. Douglas Gross**, Michael Nevitt, Cora Lewis, James Torner, Joshua Stefanik. Relation of temporal asymmetry during walking to 2-year knee pain outcomes in those with mild-to-moderate unilateral knee pain: an exploratory analysis from the Multicenter Osteoarthritis (MOST) Study. Arthritis Care Res, 2022 Oct 27. [doi: 10.1002/acr.25050].
4. Erin Futrell, **K. Douglas Gross**, Darcy Reisman and Irene Davis, Exerted running results in altered impact mechanics and footstrike patterns following gait retraining, Journal of Sports Sciences, 39(11) 2021, 1302-1311. [doi:10.1080/02640414.2020.1868089]
5. Laura Plummer, **K. Douglas Gross**, Madeline Fuchs, Alex Lin, Vistoria Misitano and Patricia Reidy, Child Development Day: a collaborative interprofessional experience, Journal of Interprofessional Education and Practice, 24 2021. [doi:10.1016/j.xjep.2021.100426].
6. Kerry Costello, David T. Felson, Tuhina Neogi, Neil A. Segal, Cora E. Lewis, **K. Douglas Gross**, Michael C. Nevitt, Cara L. Lewis and Deepak Kumar, Ground reaction force patterns in knees with and without radiographic osteoarthritis and pain: descriptive analyses of a large cohort (the Multicenter Osteoarthritis Study), Osteoarthritis and Cartilage, 29(8) 2021, 1138-1146. [doi:10.1016/j.joca.2021.03.009]

7. Chris Joyce, Eric Roseen, Julie Keysor, **K. Douglas Gross**, Larry Culpepper and Rob Saper, Can Yoga or Physical Therapy for Chronic Low Back Pain Improve Depression and Anxiety Among Adults from a Racially Diverse, Low- Income Community? A Secondary Analysis of a Randomized Controlled Trial., *Archives of Physical Medicine and Rehabilitation*, 102(6) 2021, 1049-1058. [doi:10.1016/j.apmr.2021.01.072]
8. Kai Fu, Ben Metcalf, Kim Bennell, Yuqing Zhang, **K. Douglas Gross**, Kathryn Mills, Leticia Deveza, Sarah Robbins and David J. Hunter, Is Heel Height Associated with Pain Exacerbations in Hip Osteoarthritis Patients? Results from a Case-Crossover Study, *Journal of Clinical Medicine*, 9(16) 2020, 1872. [doi:10.3390/jcm9061872]
9. Erin Futrell, **K. Douglas Gross**, Darcy Reisman, David R. Mullineaux and Irene S. Davis, Transition to forefoot striking is more efficacious than increasing cadence in reducing load rates: a randomized controlled laboratory study, *J Sport Health Sci.*, 9(3) 2020, 248-257. [doi:10.1016/j.jshs.2019.07.006]
10. Marc Heronemus, Neal A. Segal, Kaitlin Rabe, Irina Tolstykh, **K. Douglas Gross**, Barton Wise, Michael C. Nevitt, Cora E. Lewis and Howard J. Hillstrom, The Association of Parity with Greater Dynamic Pronation of the Feet, *PM&R: Journal of the American Academy of Physical Medicine & Rehabilitation*, 2020. [doi:10.1002/pmrj.12381]
11. Harvi F. Hart, **K. Douglas Gross**, KM Crossley, CJ Barton, DT Felson, A. Guermazi, F. Roemer, N. Segal, CE Lewis, MC Nevitt and JJ Stefanik, Step Rate and Worsening of Patellofemoral and Tibiofemoral Joint Osteoarthritis in Women and Men: The Multicenter Osteoarthritis Study, *Arthritis Care Res*, 72(1) 2020 [doi:10.1002/acr.23864]
12. Jie Wei, **K. Douglas Gross**, N. Lane, N. Lu, M. Wang, C. Zeng, T. Yang, G. Lei, HK Choi and Yuqing Zhang, Risk factor heterogeneity for medial and lateral compartment knee osteoarthritis: analysis of two prospective cohorts, *Osteoarthritis Cartilage*, 27(4) 2019, 603-610. [doi:10.1016/j.joca.2018.12.013]
13. AE Wink, **K. Douglas Gross**, CA Brown, CE Lewis, J. Torner, MC Nevitt, I. Tolstykh, L. Sharma and DT Felson, Association of Varus Knee Thrust during Walking with Worsening WOMAC Knee Pain: The Multicenter Osteoarthritis Study, *Arthritis Care Res*, 2018. [doi:10.1002/acr.23766]
14. ZS. Rezaeian, MM. Smith, TL. Skaife, WF. Harvey, **K. Douglas Gross** and D. J. Hunter, Does knee malalignment predict the efficacy of realignment therapy for patients with knee osteoarthritis? *Int J Rheum Dis.*, 20(10) 2017, 1403-1412. [doi:0.1111/1756-185X.12696]
15. Rebecca S. Lufler, Joshua J. Stefanik, Jingbo Niu, F. K. Sawyer, Todd M. Hoagland and **K. Douglas Gross**, The Association of Forefoot Varus Deformity with Patellofemoral Cartilage Damage in Older Adult Cadavers., *Anat Rec (Hoboken)*, 300(6) 2017, 1032-1038. [doi:10.1002/ar.23524]
16. Alexandra E. Wink, **K. Douglas Gross**, Carrie A. Brown, Ali Guermazi, Frank Roemer, Jingbo Niu, James Torner, Cora E. Lewis, Michael C. Nevitt, Irina Tolstykh, Leena Sharma and David T. Felson, Varus thrust during walking and the risk of incident and worsening medial tibiofemoral MRI lesions: the Multicenter Osteoarthritis Study. *S1063-4584 (17)30025-0* 2017. [doi:10.1016/j.joca.2017.01.005]

17. Joshua J. Stefanik, **K. Douglas Gross**, Ali Guermazi, Frank W. Roemer, David T. Felson, Jingbo Niu, Lynch A. John, Neil A. Segal, Cora E. Lewis and Cora L. Lewis, Relation of Step Length to Magnetic Resonance Imaging- Detected Structural Damage in the Patellofemoral Joint: The Multicenter Osteoarthritis Study, *Arthritis Care and Research*, 66(6) 2016, 776-783. [doi:10.1002/acr.22738]
18. DK. White, C. Tudor-Locke, J. Niu, DT. Felson, **K. Douglas Gross**, MC. Nevitt, CE. Lewis, J. Torner and T. Neogi, Prospective change in daily walking over 2 years in older adults with or at risk of knee osteoarthritis: the MOST study, *Osteoarthritis and Cartilage*, 24(2) 2016. [doi:10.1016/j.joca.2015.08.004]
19. JJ Stefanik, **K. Douglas Gross**, A. Guermazi, DT Felson, FW Roemer, Y. Zhang, J. Niu, NA Segal, CE Lewis, MC Nevitt and T. Neogi, The relation of MRI-detected structural damage in the medial and lateral patellofemoral joint to knee pain: the Multicenter and Framingham Osteoarthritis Studies, 23(4) 2015, 565-70. [doi:10.1016/j.joca.2014.12.023]
20. Elise Townsend, H. Tamhane and **K. Douglas Gross**, Effects of AFO Use on Walking in Boys with Duchenne Muscular Dystrophy: A Pilot Study, *Pediatric Physical Therapy*, 27(1) 2015, 1-6. [doi:10.1097/PEP]
21. DK. White, C. Tudor-Locke, Y. Zhang, R. Fielding, MP. LaValley, DT. Felson, **K. Douglas Gross**, MC. Nevitt, CE. Lewis, JT. Torner and T. Neogi, Daily walking and the risk of incident functional limitation in knee OA: An observational study, *Arthritis Care and Research*, 66(9) 2014, 1328-1336.
22. A. Boissonneault, JA. Lynch, BL. Wise, NA. Segal, **K. Douglas Gross**, DW. Murray, MC. Nevitt and HG. Pandit, Association of hip and pelvic geometry with tibiofemoral osteoarthritis: Multicenter Osteoarthritis Study (MOST), *Osteoarthritis and Cartilage*, 22(8) 2014, 1129-1135.
23. NA. Segal, MC. Nevitt, **K. Douglas Gross**, J. Hietpas, NA. Glass, CE. Lewis and JT. Torner, The Multicenter Osteoarthritis Study (MOST): Opportunities for Rehabilitation Research, *Archives of Physical Medicine and Rehabilitation*, 5(8) 2013, 647-654.
24. JJ. Stefanik, J. Niu, **K. Douglas Gross**, FW. Roemer, A. Guermazi and DT. Felson, Using magnetic resonance imaging to determine the compartmental prevalence of knee joint structural damage, *Osteoarthritis and Cartilage*, 21(5) 2013, 695-699.
25. DK. White, C. Tudor-Locke, DT. Felson, **K. Douglas Gross**, J. Niu, MC. Nevitt, CE. Lewis, JT. Torner and T. Neogi, Walking to meet physical activity guidelines in knee OA: Is 10,000 steps enough? *Archives of Physical Medicine and Rehabilitation*, 94(4) 2013, 711-717.
26. DT. Felson, J. Niu, **K. Douglas Gross**, M. Englund, L. Sharma, D. Cooke, A. Guermazi, F.W. Roemer, MC Nevitt, NA Segal, J. Goggins and CE Lewis, Valgus malalignment is a risk factor for lateral knee osteoarthritis incidence and progression: Findings from MOST and the osteoarthritis initiative, *Arthritis and Rheumatism*, 65(2) 2013, 355-362.
27. DK. White, C. Tudor-Locke, DT. Felson, **K. Douglas Gross**, J. Niu, MC. Nevitt, CE. Lewis, J. Torner and T. Neogi, Do radiographic disease and pain account for why people with or at high risk of knee osteoarthritis do not meet Physical Activity Guidelines? *Arthritis and Rheumatism*, 65(1) 2013, 139-147.

28. **K. Douglas Gross**, J. Niu, J. J. Stefanik, A. Guermazi, F. W. Roemer, L. Sharma, MC. Nevitt, NA. Segal, CE. Lewis and DT. Felson, Breaking the law of valgus: the surprising and unexplained prevalence of medial patellofemoral cartilage damage, *Annals of the Rheumatic Diseases*, 71(11) 2012, 1827-1832 [doi:10.1136/annrheumdis-2011-200606]
29. DJ. Hunter, **K. Douglas Gross**, P. McCree, L. Li, K. Hirko and WF. Harvey, Realignment treatment for medial tibiofemoral osteoarthritis: a randomised trial, *Annals of the Rheumatic Diseases*, 71(10) 2012. [doi:10.1136/annrheumdis-2011-200728]
30. RS. Lufler, TM. Hoagland, J. Niu and **K. Douglas Gross**, The anatomic origin of forefoot varus malalignment, *Journal of the American Podiatric Medical Association*, 102(5) 2012, 390-5. [doi:10.7547/1020390]
31. DK. White, T. Neogi, DT. Felson, J. Niu, MC. Nevitt, CE. Lewis, JT. Torner and **K. Douglas Gross**, The association of obesity with walking independent of knee pain: The Multicenter Osteoarthritis Study, *Journal of Obesity*, 2012. [doi:10.1155/2012/261974]
32. JJ. Stefanik, FW. Roemer, AC. Zumwalt, Y. Zhu, **K. Douglas Gross**, JA. Lynch, LA. Frey-Law, CE. Lewis, A. Guermazi, CM. Powers and DT. Felson, Association between measures of trochlear morphology and structural features of patellofemoral joint osteoarthritis on MRI: the MOST study, *Journal of Orthopaedic Research*, 30(1) 2012, 1-8.
33. JJ. Stefanik, A. Guermazi, Y. Zhu, AC. Zumwalt, **K. Douglas Gross**, M. Clancy, JA. Lynch, NA. Segal, CE. Lewis, FW. Roemer, CM. Powers and DT. Felson, Quadriceps weakness, patella alta and structural features of patellofemoral osteoarthritis: The multicenter osteoarthritis study, *Arthritis Care and Research*, 63(10) 2011, 1391- 97.
34. DJ. Hunter, WF. Harvey, **K. Douglas Gross**, DT. Felson, P. McCree, L. Li, K. Hirko, B. Zhang and K. Bennell, A randomized trial of patellofemoral bracing for treatment of patellofemoral osteoarthritis, *Osteoarthritis and Cartilage*, 7 2011, 792-800.
35. **K. Douglas Gross**, J. Niu, DT. Felson, DJ. Hunter, A. Guermazi, FW. Roemer, AB. Dufour, R. Gensure and MT. Hannan, Association of flat feet with knee pain and cartilage damage in older adults, *Arthritis Care and Research*, 63(7) 2011, 937-44.
36. **K. Douglas Gross**, Device use: braces, walking aids, and orthotics for older adults with osteoarthritis, *Clinics in Geriatric Medicine*, 26(3) 2010, 479-502. [doi:10.1016/j.cger.2010.03.007]
37. JJ. Stefanik, Y. Zhu, AC. Zumwalt, **K. Douglas Gross**, M. Clancy, JA. Lynch, LA. Frey Law, CE. Lewis, FW. Roemer, CM. Powers, A. Guermazi and DT. Felson, Association between patella alta and the prevalence and worsening of structural features of patellofemoral joint osteoarthritis: The multicenter osteoarthritis study, *Arthritis Care and Research*, 62 2010, 1258-1265.
38. DT. Felson, **K. Douglas Gross**, MC. Nevitt, M. Yang, NE. Lane, JT. Torner, CE. Lewis and M. Hurley, The effects of impaired joint position sense on the development and progression of pain and structural damage in knee osteoarthritis, *Arthritis and Rheumatism*, 61(8) 2009, 1070-1076.
39. **K. Douglas Gross** and Howard J. Hillstrom, Knee osteoarthritis: primary care using noninvasive devices and biomechanical principles, *Medical Clinics of North America*, 93(1) 2009, 179-200.

40. **K. Douglas Gross** and Howard J. Hillstrom, Noninvasive devices targeting the mechanics of knee osteoarthritis, *Rheumatic Disease Clinics of North America*, 34(3) 2008, 755-76.
41. **K. Douglas Gross**, J. Niu, Y. Q. Zhang, DT. Felson, C. McLennan, MT. Hannan, KG. Holt and DJ. Hunter, Varus foot alignment and hip conditions in older adults, *Arthritis and Rheumatism*, 56(9) 2007, 2993-2998.
42. DJ. Hunter, J. Niu, DT. Felson, WF. Harvey, **K. Douglas Gross**, P. McCree, P. Aliabadi, B. Sack and Y. Zhang, Knee alignment does not predict incident knee OA: The Framingham Osteoarthritis Study, *Arthritis and Rheumatism*, 56(4) 2007, 1212-1218.
43. **K. Douglas Gross** and David J. Hunter, Osteoarthritis of the knee, *Geriatrics and Aging*, 9(8) 2006, 526-534.

Book Chapters

1. K. Douglas Gross, Measurement Revisited: Reliability and Validity Statistics in L.G. Portney (Ed.), *Foundations of Clinical Research: Applications to Practice*, 4th ed. (Revised Edition), Philadelphia: F.A. Davis Company (2020), pp. 486-508.
2. K. Douglas Gross, Exploratory Research: Observational Designs in L.G. Portney (Ed.), *Foundations of Clinical Research: Applications to Practice*, 4th ed. (Revised Edition), Philadelphia: F.A. Davis Company (2020), pp. 271- 284.
3. Leslie Portney and K. Douglas Gross, Concepts of Measurement Validity in L.G. Portney (Ed.), *Foundations of Clinical Research: Applications to Practice*, 4th ed. (Revised Edition), Philadelphia: F.A. Davis Company (2020), pp. 127-140.
4. Leslie Portney and K. Douglas Gross, Concepts of Measurement Validity in L.G. Portney (Ed.), *Foundations of Clinical Research: Applications to Practice*, 4th ed. (Revised Edition), Philadelphia: F.A. Davis Company (2020), pp. 127-140.

PEER-REVIEWED CONFERENCE PRESENTATIONS

1. Rania Karim, Bhawna Shiwani, Serge Roy, Owen Talmage, Christopher R. Clock, Catherine Schmidt, **K. Douglas Gross** and Julie Keysor, "*Augmented Reality and Clinical Assessments: Examining the Feasibility for Older Adults with Knee Osteoarthritis.*" Poster accepted at the American Physical Therapy Association Combined Sections Meeting, San Diego, CA on February 25, 2023.
2. Patrick Corrigan, Patrick Corrigan, Joshua J. Stefanik, David T. Felson, Cara Lewis, **K. Douglas Gross**, Michael Nevitt, Cora E. Lewis and James C. Torner, "*In those with unilateral frequent knee pain, between-limb differences in stance time during walking increase the risk of frequent pain in the other knee: the MOST study.*" Abstract presented at the American College of Rheumatology Convergence 2020, Virtual on November 7, 2020.
3. **K Douglas Gross**, Xiaoyang Chen, Cara L. Lewis, Michael C. Nevitt, James C. Torner, Elizabeth Lewis and David T. Felson, "*Impact loads during walking and risk of knee pain: the MOST study.*" Abstract presented at Osteoarthritis Research Society International, Vienna, Austria on Apr 30, 2020.
4. Sara Knox, Keshrie Naidoo, Richard Westrick, Jane Baldwin, Catherine Schmidt and **Douglas Gross**, "*Development of Domains of Competence for Student Outcomes in a Doctor of Physical Therapy Program.*" Presentation to the Educational Leadership Conference, Bellevue, WA on Oct. 18, 2019.
5. D. Kumar, **KD Gross**, K. Costello, T. Neogi, CE Lewis, NA Segal, MC Nevitt, CL Lewis and DT Felson, "*Sex and race related differences in ground reaction forces during walking and interactions with knee pain and osteoarthritis in a large cohort.*" Abstract presented at the Osteoarthritis Research Society International, Toronto, Ontario, Canada on May 2, 2019.
6. KE Costello, **KD Gross**, DT Felson, T. Neogi, NA Segal, CE Lewis, MC Nevitt, CL Lewis and D. Kumar, "*Ground reaction force patterns in knees with and without pain and radiographic*

- osteoarthritis: descriptive analyses from a large cohort study.*" Abstract presented at the Osteoarthritis Research Society International, Toronto, Ontario, Canada on May 2, 2019.
7. HF Hart, **KD Gross**, KM Crossley, CJ Barton and JJ Stefanik, "*Relation of step rate to worsening of patellofemoral and tibiofemoral joint cartilage damage in women and men – the most study.*" Presentation to the Osteoarthritis Research Society International, Liverpool, UK on May 1, 2018.
 8. **KD Gross**, RK Jones, DT Felson, Salinda Chong and HJ Hillstrom, "*Association of Foot Pronation with Medial Knee Load in Adults with Medial Knee Osteoarthritis.*" Presentation to the American Physical Therapy Association Combined Sections, New Orleans on February 24, 2018.
 9. EE Futrell, **KD Gross**, D. Reisman and IS Davis, "*Short and Long-Term Effects of Forefoot Strike and Increased Cadence Gait Retraining Methods on Impact Loads in Runners.*" Presentation to the American Physical Therapy Association Combined Sections Meeting, New Orleans on Feb. 23, 2018.
 10. **KD Gross**, R. Jones, DT Felson, Salinda Chong and HJ Hillstrom, "*Relation of Foot Pronation to Medial Knee Load in Persons with Medial Knee Osteoarthritis.*" Poster presented at the American College of Rheumatology, San Diego on November 7, 2017.
 11. AE Wink, DT Felson, **KD Gross**, C. Brown, MC Nevitt, CE Lewis, JA Torner and L. Sharma, "*Association of Varus Knee Thrust during Walking to Worsening Knee Pain over Two Years.*" Presentation to the American College of Rheumatology, San Diego on November 5, 2017.
 12. AE Wink, C. Brown, MC Nevitt, CE Lewis, JA Torner, DT Felson and **KD Gross**, "*Relation of Varus Knee Thrust during Walking to Two-Year Incidence of Frequent Ankle, Hip, and Lower Back Pain.*" Presentation to the American College of Rheumatology, Washington, DC on November 16, 2016.
 13. **K. Douglas Gross**, Howard J. Hillstrom, Carrie Brown, Richard Jones, Joshua J. Stefanik, Michael C. Nevitt, Cora E. Lewis, James Torner and David T. Felson, "*Relation of Foot Pronation During Walking to Risk of Worsening Lateral Patellofemoral and Medial Tibiofemoral Cartilage Damage.*" Poster presented at the American College of Rheumatology, Washington, D.C. on November 13, 2016.
 14. A. E. Wink, J. Niu, D. T. Felson, M. C. Nevitt, J. Torner, C. E. Lewis, C. A. Brown, N. Shakoor, L. Sharma and **Douglas Gross**, "*Structural and Sensorimotor Deficits Associated with Abnormal Frontal Plane Motion of the Knee During Gait: The Multicenter Osteoarthritis Study.*" Poster presented at the Experimental Biology 2016 Meeting, San Diego, CA. on April 5, 2016.
 15. A. E. Wink, **Douglas Gross**, C. A. Brown, J. Niu, J. C. Torner, C. E. Lewis, M. C. Nevitt, A. Guermazi, L. Sharma and D. T. Felson, "Relation of varus knee thrust during walking to risk of incident and progressive MRI lesions: the Multicenter Osteoarthritis Study." Presentation to the 2016 World Conference on Osteoarthritis, Amsterdam, Netherlands on April 2, 2016.
 16. A. E. Wink, J. Niu, D. T. Felson, M. C. Nevitt, J. Torner, C. E. Lewis, C. A. Brown, N. Shakoor, L. Sharma and **Douglas Gross**, "Structural and Sensorimotor Correlates of Varus Knee Thrust During Walking: The Multicenter Osteoarthritis Study." Poster presented at the 2016 World Conference on Osteoarthritis, Amsterdam, Netherlands on April 2, 2016.
 17. **Douglas Gross**, H. J. Hillstrom, E. K. Quinn, M. C. Nevitt, C. E. Lewis, J. C. Torner and D. T. Felson, "Relation of Pronated Foot Posture to Risk of Worsening Knee Pain and Compartment-Specific Knee Cartilage Damage." Poster presented at the 2015 Annual Meeting of the American College of Rheumatology, Boston, MA on November 10, 2015.
 18. NA Segal, **K. Douglas Gross**, EK Quinn, BL Wise, HJ Hillstrom, SR Chu, MC Nevitt, CE Lewis and JC Torner, "Association Between Parity and Dynamic Foot Function." Poster presented at Osteoarthritis Research Society International World Conference, Seattle on May 2, 2015
 19. **K. Douglas Gross**, R. DeSousa, S. Lim and MP LaValley, "Effects of Shoes on Medial Joint Loading and Knee Pain: a Systematic Review with Meta-analysis." Poster accepted at the Osteoarthritis Research Society International World Conference on Osteoarthritis, Seattle on May 2, 2015.
 20. **K. Douglas Gross**, HJ Hillstrom, Jingbo Niu, MC Nevitt, JC Torner, CE Lewis and DT Felson, "Relation of Shoe Stability to Risk of Worsening Cartilage Damage in Persons with Medial Knee Osteoarthritis." Poster presented at the Osteoarthritis Research Society World Conference on Osteoarthritis, Seattle on May 2, 2015.

21. **Douglas Gross**, H. J. Hillstrom, J. Nui, M. C. Nevitt, J. C. Torner, C. E. Lewis and D. T. Felson, "Relation of Shoe Stability to Risk of Knee Cartilage Damage." Poster accepted at the 2014 Annual Meeting of the American College of Rheumatology, Boston, MA on November 14, 2014.
22. N. Shakoor, R. Lidtke, C. Ferrigno, A. Nair, M. Wimmer, **Douglas Gross**, L. Thorp and J. A. Block, "Characteristics of conventional footwear and their association with reductions in knee loading with a flexible footwear intervention." Poster accepted at the 2014 Annual Meeting of the American College of Rheumatology, Boston, MA on November 14, 2014.
23. JJ Stefanik, **K. Douglas Gross**, DT Felson, J. Niu, DK White, A. Guermazi, FW Roemer, CE Lewis, NA Segal, MC Nevitt and CL Lewis, "Relation of Step Length to MRI Features of Osteoarthritis in the Patellofemoral Joint: the MOST study." Poster presented at the American College of Rheumatology Annual Scientific Meeting, Boston on November 14, 2014.
24. **Douglas Gross**, "Relation of Pelvic Drop During Walking to Risk of Incident Medial Knee Osteoarthritis." Paper presented to the American College of Rheumatology Meeting, Boston, MA on November 1, 2014.
25. AR Boissonneault, JA Lynch, BL Wise, NA Segal, **K. Douglas Gross**, DW Murray and HG Pandit, "Integrative assessment of frontal plane alignment of the hip and knee among subjects with and without knee osteoarthritis." Poster presented at the Osteoarthritis Society International World Conference on Osteoarthritis, Paris, France on April 27, 2014.
26. **Douglas Gross**, "The Relationship Between Toe-out Angle During Walking and Risk of Knee Osteoarthritis Incidence." Paper presented to the American College of Rheumatology Meeting, San Diego, CA on November 1, 2013.
27. **Douglas Gross**, H. J. Hillstrom, Y. Q. Zhang, E. K. Quinn, M. C. Nevitt, N. A. Segal, C. E. Lewis and D. T. Felson, "The relationship of foot pronation during walking to risk of incident cartilage damage in the medial tibiofemoral and lateral patellofemoral knee compartments." Poster presented at the 2013 Annual Meeting of the American College of Rheumatology, San Diego, CA on October 26, 2013.
28. AR Boissonneault, JA Lynch, BL Wise, **K. Douglas Gross**, MC Nevitt, DW Murray and HG Pandit, "Association of tibiofemoral osteoarthritis with hip geometry: Multicenter Osteoarthritis Study." Abstract presented at the Combined meeting of orthopaedic research societies, Venice, Italy on October 16, 2013.
29. R. Moontanah, H. J. Hillstrom, **Douglas Gross**, J. Niu, M. C. Nevitt, C. E. Lewis, N. A. Segal, J. Hietpas and D. T. Felson, "Stance and single support time asymmetry identify unilateral knee osteoarthritis and the involved limb." Poster presented at the 2013 World Conference on Osteoarthritis, Philadelphia, PA on April 18, 2013
30. H. J. Hillstrom, C. Giacomozzi, M. Lenhoff, R. Zifchock, B. Vanadurongwan, **Douglas Gross**, C. McLennan and M. T. Hannan, "Accuracy of the Novel Emed-x and Tekscan Matscan plantar pressure measurement systems." Poster presented at the Proceedings of Emed Scientific Meeting, Dundee, Scotland on October 1, 2009.
31. R. Moontanah, **Douglas Gross**, D. T. Felson, J. Niu, M. C. Nevitt, C. E. Lewis, N. A. Segal, J. Hietpas and H. J. Hillstrom, "Association of radiographic knee osteoarthritis and pain with gait asymmetry." Poster presented at the 2013 American Academy of Orthopaedic Surgeons, Chicago, IL on March 16, 2013.
32. R. Moontanah, H. J. Hillstrom, **Douglas Gross**, J. Niu, M. C. Nevitt, C. E. Lewis, N. A. Segal, J. Hietpas and D. T. Felson, "The relationship between radiographic knee osteoarthritis, pain, and gait pattern asymmetry." Poster presented at the 2013 Orthopaedic Research Society Annual Meeting, San Antonio, TX on January 26, 2013.
33. D. K. White, **Douglas Gross**, A. Gullian, D. T. Felson, J. Niu, M. C. Nevitt and C. E. Lewis, "Does Unpredictable Intermittent Knee Pain Limit Functional Ability and Walking Frequency in Knee OA?" Poster presented at the 2012 Annual Meeting of the American College of Rheumatology, Washington, DC on November 10, 2012.
34. **Douglas Gross**, "Breaking the Law of Valgus: The Surprising and Unexplained Prevalence of Medial Patellofemoral Cartilage Damage." Paper presented to the American College of Rheumatology Annual Scientific Meeting, Chicago, IL on November 6, 2012.

35. **Douglas Gross**, J. Niu, A. Chacko, Y. Zhang, H. J. Hillstrom, Douglas Mattson, M. C. Nevitt, N. A. Segal, C. E. Lewis and D. T. Felson, "The relationship between pelvic drop during walking and radiographic medial knee osteoarthritis: the MOST study." Poster presented at the Osteoarthritis Research Society International World Conference on Osteoarthritis, Barcelona, Spain on Oct.1, 2012.
36. **Douglas Gross**, B. Thakkar, A. Chacko, Douglas Mattson, H. J. Hillstrom, N. A. Segal, M. C. Nevitt, C. E. Lewis and D. T. Felson, "The relationship between pelvic drop during walking and medial knee osteoarthritis." Presentation to the Proceedings of the Combined Sections Meetings of the American Physical Therapy Association Annual Conference, New Orleans, LA on October 1, 2012.
37. D. K. White, **Douglas Gross**, M. C. Nevitt, C. E. Lewis, J. Torner and D. T. Felson, "Factors associated with achieving physical activity guidelines among those who can meet them." Poster presented at the American Physical Therapy Association Combined Sections Meeting, Chicago, IL on October 1, 2012.
38. **Douglas Gross**, Y. Tseng, Y. Zhang, H. J. Hillstrom, Douglas Mattson, m. C. Nevitt, N. A. Segal, C. E. Lewis and D.T. Felson, "The relationship between quadriceps angle during walking and patellofemoral osteoarthritis in older adults: the MOST study." Presentation to Osteoarthritis Research Society International World Conference on Osteoarthritis, Barcelona, Spain on May 1, 2012.
39. J. J. Stefanik, J. Niu, N. A. Segal, **Douglas Gross**, C. E. Lewis, M. C. Nevitt, F. Roemer, A. Guermazi and D. T. Felson, "The association between hamstring strength and hamstring-quadriceps strength ratio with patellofemoral joint cartilage damage." Poster presented at the 2012 World Conference on Osteoarthritis, Barcelona, Spain on April 26, 2012.
40. S. Rao, **Douglas Gross**, J. Niu, M. C. Nevitt, C. E. Lewis, J. Torner, J. Hietpas, D. T. Felson and H. J. Hillstrom, "Are pressure-time integral and cumulative plantar stress related to 1st metatarsal phalangeal joint pain?" Poster presented at the 2012 World Conference on Osteoarthritis, Barcelona, Spain on April 26, 2012.
41. H. Tamhane, Elise Townsend and **Douglas Gross**, "Effects of Dynamic Response Ankle Foot Orthosis (DR-AFO) Use on Functional Performance and Walking Endurance in Ambulatory Boys with Duchenne Muscular Dystrophy: A Pilot Study." Poster presented at the APTA Combined Sections Meeting, Chicago, IL on February 11, 2012.
42. **Douglas Gross**, "The Relationship Between Pelvic Drop During Walking and Medial Knee Osteoarthritis." Paper presented to the American Physical Therapy Association Combined Sections Meeting, Chicago, IL on January 1, 2012.
43. D. K. White, Y. Zhang, **Douglas Gross**, J. Niu, M. C. Nevitt, C. E. Lewis, J. C. Torner and D. T. Felson, "Is knee pain relevant for meeting physical activity guidelines among people with knee osteoarthritis who can already walk at a moderate intensity?" Poster presented at the 2011 Annual Meeting of the American College of Rheumatology, Chicago, IL on November 5, 2011.
44. **Douglas Gross**, Janet Kneiss, A. Klein and U. Dutt, "The relationship of toe-out walking with clinical characteristics of 1st metatarsophalangeal joint osteoarthritis in older adults." Presentation to the American Physical Therapy Association, Massachusetts Chapter, Norwood, MA on Nov. 1, 2011.
45. **Douglas Gross**, Y. Wang, J. Niu, L. Frey-Law, C. E. Lewis and D. T. Felson, "Relationship of medial knee osteoarthritis symptoms and toe-out angle during walking." Poster presented at 2011 American Physical Therapy Association Combined Sections Meeting, New Orleans, LA on Oct. 1, 2011.
46. **Douglas Gross**, H. J. Hillstrom, J. Nui, M. C. Nevitt, C. E. Lewis, J. C. Torner and D. T. Felson, "The relationship between toe-out during walking and clinical characteristics of 1st metatarsophalangeal joint osteoarthritis: the MOST study." Poster presented at the 2011 World Conference on Osteoarthritis, San Diego, CA on September 15, 2011.
47. J. J. Stefanik, **Douglas Gross**, J. Niu, F. W. Roemer, A. Guermazi and D. T. Felson, "The patellofemoral joint is the most common compartment affected by structural features of knee osteoarthritis using magnetic resonance imaging data." Poster presented at the 2011 World Conference on Osteoarthritis, San Diego, CA on September 15, 2011.
48. D. K. White, T. Neogi, J. Niu, M. C. Nevitt, C. E. Lewis, J. Torner and **Douglas Gross**, "Characteristics of persons with or at high risk of knee osteoarthritis achieving recommended physical

- activity levels." Poster presented at the 2010 Annual Meeting of the American College of Rheumatology, Atlanta, GA on November 7, 2010.
49. **Douglas Gross**, J. Niu, Y. Zhang, M. C. Nevitt, C. E. Lewis, J. Torner and D. T. Felson, "The relationship between symptoms of medial tibiofemoral osteoarthritis and toe-out angle during walking." Poster presented at the 2010 Annual Meeting of the American College of Rheumatology, Atlanta, GA on November 7, 2010.
 50. **Douglas Gross**, P. Kaur, S. Yadav and Leslie Portney, "Effectiveness of common physical therapy interventions for knee osteoarthritis: a systematic review." Poster presented at the 2010 Annual Conference of American Physical Therapy Association, Boston, MA on October 1, 2010.
 51. **Douglas Gross**, R. S. Lufler, J. J. Stefanik, J. Nui, T. M. Hoagland, T. E. Foster and D. T. Felson, "Forefoot varus: anatomic origin and association with patellofemoral cartilage damage in cadavers." Poster presented at 2010 World Conference on Osteoarthritis, New Orleans, LA on Sept. 23, 2010.
 52. J. J. Stefanik, Y. Zhu, **Douglas Gross**, M. Clancy, A. C. Zumwalt, J. A. Lynch and D. T. Felson, "Does quadriceps strength modify the association of patella alta with structural features of patellofemoral osteoarthritis?" Poster presented at the 2010 American Association of Anatomists Annual Meeting, Anaheim, CA on April 24, 2010.
 53. R. S. Lufler, J. J. Stefanik, T. M. Hoagland and **Douglas Gross**, "The varus forefoot: anatomical origin and implications for knee OA." Poster presented at the 2010 American Association of Anatomists Annual Meeting, Anaheim, CA on April 24, 2010.
 54. **Douglas Gross**, "Effectiveness of Common Physical Therapy Interventions for Knee Osteoarthritis: A Systematic Review." Paper presented to the Annual Conference and Exposition of the American Physical Therapy Association of Massachusetts, Norwood, MA on November 1, 2009.
 55. **Douglas Gross**, J. Niu, J. P. Goggins, T. D. Cooke, M. C. Nevitt and D. T. Felson, "Measures of alignment in knee OA: How valid are clinical methods?" Poster presented at the 2009 Annual Meeting of the American College of Rheumatology, Philadelphia, PA on October 17, 2009.
 56. D. J. Hunter, **Douglas Gross**, P. McCree, L. Li, K. Lamb, B. Zhang and W. F. Harvey, "A randomized trial of realignment therapy for treatment of medial tibiofemoral osteoarthritis." Poster presented at the 2009 Annual Meeting of the American College of Rheumatology, Philadelphia, PA on Oct. 17, 2009.
 57. J. J. Stefanik, Y. Zhu, **Douglas Gross**, M. Clancy, A. C. Zumwalt, J. A. Lynch and D. T. Felson, "The association between patella alta and structural features of patellofemoral joint osteoarthritis on MRI." Poster presented at the 2009 Annual Meeting of the American College of Rheumatology, Philadelphia, PA on October 17, 2009.
 58. J. J. Stefanik, Y. Zhu, A. C. Zumwalt, **Douglas Gross**, M. Clancy, J. A. Lynch, L. A. Frey-Law, C. E. Lewis, A. Guermazi, C. M. Powers and D. T. Felson, "Patella alta is associated with patellofemoral malalignment." Poster presented at the 2009 Annual Meeting of the American College of Rheumatology, Philadelphia, PA on October 17, 2009.
 59. H. J. Hillstrom, C. Giacomozzi, M. Lenhoff, R. Zifchock, B. Vanadurongwan, **Douglas Gross**, C. MacLennan and M. T. Hannan, "Accuracy of the Novel Emed-x and Tekscan Matscan plantar pressure measurement systems." Poster presented at the Proceedings of Emed Scientific Meeting, Dundee, Scotland on October 1, 2009.
 60. D. J. Hunter, **Douglas Gross**, P. McCree, L. Li, K. Lamb, B. Zhang and W. F. Harvey, "A randomized trial of realignment therapy for treatment of medial tibiofemoral osteoarthritis." Poster presented at the 2009 World Conference on Osteoarthritis, Montreal, Canada on September 10, 2009.
 61. **Douglas Gross**, "Association of Planus Foot Morphology with Knee Pain and Cartilage Damage." Paper presented to the American College of Rheumatology Annual Scientific Meeting, San Francisco, CA on October 1, 2008.
 62. D. T. Felson, **Douglas Gross**, M. Hurley, M. Yang, J. B. Niu, N. E. Lane, J. Torner and C. E. Lewis, "Proprioceptive acuity is associated with new knee pain but not worsening radiographic knee OA." Poster presented at the 2007 Annual Meeting of the American College of Rheumatology, Boston, MA on November 6, 2007.

63. W. F. Harvey, M. Miller, **Douglas Gross**, D. J. Hunter and S. Messier, "Kinematic alterations in gait in compartment specific diagnoses of knee OA." Poster presented at the 2007 Annual Meeting of the American College of Rheumatology, Boston, MA on November 6, 2007.
64. **Douglas Gross**, J. Niu, D. T. Felson, D. J. Hunter, A. Guermazi, F. W. Roemer, A. B. Dufour, R. Gensure and M. T. Hannan, "Planus foot morphology is associated with knee pain and cartilage damage in older adults." Poster presented at the 2007 Annual Meeting of the American College of Rheumatology, Boston, MA on November 6, 2007
65. **Douglas Gross**, J. Niu, Y. Q. Zhang, C. McLennan, M. T. Hannan, D. T. Felson, F. Eckstein, K. G. Holt and D. J. Hunter, "Foot alignment, knee pain, and cartilage volume in older adults." Poster presented at the 2006 Annual Meeting of the American College of Rheumatology, Washington, DC on November 1, 2006.
66. **Douglas Gross**, J. Niu, Y. Q. Zhang, C. McLennan, M. T. Hannan, D. T. Felson, K. G. Holt and D. J. Hunter, "Foot structural abnormalities and their association with hip pain." Poster presented at the 2005 Annual Meeting of the American College of Rheumatology, San Diego, CA on Nov. 1, 2005.

INVITED PRESENTATIONS

International

1. *OA: Don't Forget About the Foot*. World Congress of the Osteoarthritis Research Society International (OARSI), Liverpool, UK. 2018
2. *How to Assess Lower Limb Mechanics and Function*. World Congress of the Osteoarthritis Research Society International (OARSI), San Diego 2011

National

3. *National Osteoarthritis Datasets: Opportunities for Physical Therapists* American Physical Therapy Association Combined Sections Meeting, Chicago, IL. 2012
4. *Foot Morphology, Knee Pain and Cartilage Damage*. Segal North American Osteoarthritis Workshop, Chicago, IL 2008
5. *Gait Analysis: Hip, Knee, and Foot Effects on Gait and How to Assess Them*. with Dr. Carol Oatis, American College of Rheumatology Scientific Meeting, Boston, MA. 2007
6. *Our Best Foot Forward: Practical Perspectives from the Front Line of Population-Based Foot Research*. American College of Rheumatology Scientific Meeting, Boston, MA. 2007

Regional

7. *Linking Evidence and Practice: from Group Data to Individual Patient Decision-making* with Dr. Pamela Levangie. American Physical Therapy Association of MA, Newton, MA. 2013
8. *Diagnosis and Management of Lumbosacral Disorders: a Hands-on Evidenced-Based Manual Therapy Approach*. Continuing Education Course (21 CEUs). Manchester, NH. 2012
9. *The Osteoarthritis Epidemic: How Physical Therapists Will Save The World*. Provost Research and Scholarship Sessions, MGH Institute of Health Professions, Boston, MA 2011
10. *Relationship Between Symptoms of Medial Tibiofemoral Osteoarthritis and Toe-out During Walking*. Trustees Dinner, MGH Institute of Health Professions, Boston, MA 2010

11. *Knee Osteoarthritis: Conservative Care for a Rising Epidemic*. New Hampshire Musculoskeletal Institute, Bedford, NH 2009
12. *Identifying Cervical Causes of Headache, Dizziness and Shoulder Pain*. New Hampshire Musculoskeletal Institute, New Bedford, NH. 2009
13. *Diagnosis and Management of Cervicothoracic Disorders: Hands-on Evidenced-Based Manual Therapy Approach*. Continuing Education Course (21 CEUs). Manchester, NH 2009

TEACHING EXPERIENCE

University Courses Taught

1. Research Design in Health & Rehab Sciences (PhD program) 2015-
2. Fundamentals of Patient/Client Management in Physical Therapy 2 2018-
3. Evidence-Based Practice (curricular thread) 2018-
4. Cervicothoracic and Craniomandibular Management in PT 2017-
5. Lumbopelvic Management in PT 2017-2018
6. Critical Inquiry II: Analytic Methods 2011-2016
7. Critical Inquiry I: Evidenced-Based Practice 2010-2016
8. Principles of Measurement in PT Practice & Research 2007-2015
9. Foundations of Clinical Assessment in Physical Therapy 2009-2010
10. Musculoskeletal Dysfunction: Cervicothoracic and Craniomandibular 2007-2009
11. Scientific Basis of Human Movement 2005-2006
12. Advanced Orthopedic Physical Therapy Elective 2003-2004
13. Musculoskeletal System II: Upper Extremity 2002-2004
14. Musculoskeletal System I: Lower Extremity 2001-2004

Curriculum Development

- Doctor of Physical Therapy, Program Redesign 2015-2017
Task Force Leader, Curriculum Thread Design, Inaugural Faculty
Physical Therapy Dept., MGH Institute of Health Professions, Boston, MA
- PhD in Rehabilitation Sciences, Program Design 2010-2012
Committee Member, Curriculum Design, Inaugural Faculty
School of Health & Rehab Sciences, MGH Institute of Professions, Boston, MA.
- Post-Professional Master's in PT Program for International Students 2009-2011
Committee Leader, Curriculum Design, Inaugural Faculty
Physical Therapy Dept, MGH Institute of Health Professions, Boston, MA

Post-Professional Training Courses Taught

- Elevating Practice in Orthopaedic Physical Therapy: Spine 2017-
Diagnosis & Management of Lumbopelvic Disorders 2012-2014
Diagnosis & Management of Cervicothoracic Disorders 2009
Cervicogenic Dizziness and Headaches 2009
Evidence-based Practice of Orthopaedic Manual PT: Year-long Course 2007-2009
Custom Fabrication of Foot Orthoses 2006
Norwegian Approach to Manual Therapy: Shoulder Dysfunction 2000-2002
Norwegian Approach to Manual Therapy: Lumbar Spine 2000-2002
Norwegian Approach to Manual Therapy: Thoracic Spine and Rib Cage 2000-2002

Norwegian Approach to Manual Therapy: Cervicothoracic Spine 2000-2002

MENTORING

PhD Trainees

Paolo Teixeira, PhD 2022

Dissertation and Comprehensive Exam Committees
MGH Institute of Health Professions, Boston, MA

Chris Joyce, PhD 2019

Dissertation and Comprehensive Exam Committees
MGH Institute of Health Professions, Boston, MA

Erin Futrell, PhD 2018

Academic Advisor and Dissertation Committee Chair
MGH Institute of Health Professions, Boston, MA

Donna Scarborough, PhD 2018

Dissertation and Comprehensive Exam Committees
MGH Institute of Health Professions, Boston, MA

Alexandra Wink, PhD 2015

Research Advisor, Dissertation Committee, Training Grand Preceptor
Boston University School of Medicine, Boston, MA

Rebecca Lufler, PhD 2010

Research Advisor, Dissertation Committee, Training Grant Preceptor
Boston University School of Medicine, Boston, MA

Junior Faculty

Maninderjit Kaur, PT, PhD, Assistant Professor 2019

New Faculty Mentor, Physical Therapy Department
MGH Institute of Health Professions

PROFESSIONAL SERVICE

Elected Positions

Chair, Manual Therapy SIG 2020-2023

American Physical Therapy Association of Massachusetts

Professional Societies

Member, American Physical Therapy Association 1996-
Research and Orthopaedics Sections

Full Fellow, American Academy of Orthopaedic Manual Physical Therapy 2000-

Member, American College of Rheumatology 2005-
Association of Rheumatology Health Professionals

Member, Osteoarthritis Research Society International 2009-

INSTITUTIONAL SERVICE

Department Committees

Outcomes Committee 2018-2023

Develop, implement, assess measurable outcomes for department programs.

K. Douglas Gross, DPT, ScD

Chair (2016), Committee on Academic Policies and Procedures Drafted student & faculty handbooks; adjudicated policy violations	2015-2019
Search Committee for Neuro Research Faculty Recruited, screened, interviewed eligible candidates	2018-2019
Chair, Search Committee for Associate Chair of PT Department Planned & led recruitment, screening, interviewing of eligible candidates	2017-2018
Curriculum Revision Committee, MPT for International Students Redesigned post-professional curriculum for international students	2009-2011

Institute Committees

Chair, Senate Committee on Appointments and Promotions Adjudicated faculty appointments & promotions; revised procedures for rank	2019-2022
Chair, Senate Committee on Academic Policy and Governance Revised faculty handbook and senate committee by-laws	2013-2016
Elected, Faculty Senator Elected to represent School of Health & Rehab Sciences faculty	2013-2022
Research Operations Committee Revised policies & procedures for research faculty	2013-2015
PhD Program Development Committee Developed curriculum for new PhD in Rehabilitation Sciences	2010-2012