CURRICULUM VITAE

Joshua J. Stefanik, MSPT, PhD 308G Robinson Hall Northeastern University Boston, MA 02115

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EDUCATION

2010 Boston University School of Medicine, PhD Anatomy and Neurobiology,

Vesalius Teacher Training Program Certificate

2002 Northeastern University, MS Physical Therapy

2001 Northeastern University, BS Rehabilitation Science, *Magna Cum Laude*

LICENSURE AND CERTIFICATIONS

2006 Massachusetts, Physical Therapy License #17665

2002 Rhode Island, Physical Therapy License # PT01767

PROFESSIONAL MILITARY EDUCATION

2006 Squadron Officer School (Correspondence), Maxwell AFB, Montgomery,

AL

2002 Commissioned Officer Training School, Maxwell AFB, Montgomery, AL

PROFESSIONAL/ACADEMIC EXPERIENCE

2018-present Assistant Professor (Tenure Track), Department of Physical Therapy,

Movement and Rehabilitation Sciences, Northeastern University, Boston,

MA

2016-present Assistant Professor (Adjunct) of Medicine, Clinical Epidemiology Research

and Training Unit, Boston University School of Medicine, Boston, MA

2017-2018 Assistant Professor, Interdisciplinary Program in Biomechanics and

Movement Science (BIOMS), University of Delaware, Newark, DE

2017-2018 Assistant Professor (Tenure Track), Department of Physical Therapy,

University of Delaware, Newark, DE

2015-2017	Assistant Professor (Tenure Track), Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University, Boston, MA
2011-2017	Assistant Professor (Adjunct) of Biomedical Science and Disease, New England College of Optometry, Boston, MA
2013-2015	Research Assistant Professor, Department of Physical Therapy and Athletic Training, College of Health and Rehabilitation Sciences: Sargent College, Boston University, Boston MA
2006-2015	Part Time Lecturer, Northeastern University, Physical Therapy Department, Boston, MA
2007-2012	Per Diem Physical Therapist, Teamwork Physical Therapy, Quincy, MA
2010-2013	Post Doctoral Fellow, Clinical Epidemiology Research and Training Unit, Boston University School of Medicine, Boston, MA
2006-2008	Physical Therapist, Therapy Resources Management, New Bedford, MA
2005	Physical Therapist, Air Force Theatre Hospital, Balad Air Base, Iraq
2002-2006	Physical Therapist, David Grant USAF Medical Center, Travis AFB, CA
2002	Physical Therapist, Elite Physical Therapy, Warwick, RI

PEER REVIEWED PUBLICATIONS

In Preparation

1. Maxwell J, Neogi T, Crossley KM, Macri E, White DK, Guermazi A, Roemer F, Nevitt MC, Lewis CE, Torner J, <u>Stefanik JJ</u>. Relation of MRI-detected structural damage in the patellofemoral joint to pain and performance based function: The MOST Study. Journal of Rheumatology

In Revision

- Stefanik JJ, Frey-Law L, Segal N, Nevitt MC, Lewis CE, Neogi T. The relation of peripheral and central sensitization to muscle coactivation: The MOST Study. Osteoarthritis and Cartilage.
- 3. ^Zhao Z, Gao X, Liu Q, Li Z, Qiu Y, Li R, Niu J, <u>Stefanik JJ</u>, Zhang Y, Han W, Lin J. Associations of patellar alignment and trochlea morphology with the prevalence of radiographic patellofemoral osteoarthritis. Osteoarthritis and Cartilage.

^{*}Denotes student, post-doc, trainee author

[^]Denotes international collaboration

4. ^Li Z, Liu Q, Zhao C, Han W, <u>Stefanik JJ</u>, Jin Q, Lin, J, Zhang Y. High prevalence of patellofemoral osteoarthritis in China: A multicenter population-based osteoarthritis study. Clinical Rheumatology.

Accepted/In Press

- 5. *^Patterson BE, Culvenor AG, Barton CJ, Guermazi A, Stefanik JJ, Morris HG, Whitehead TS, Crossley KM. Poor functional performance 1-year after ACL reconstruction increases the risk of early osteoarthritis progression. British Journal of Sports Medicine.
- 6. ^Collins N, Neogi T, Vicenzino B, Guermazi A, Roemer FW, Lewis CE, Torner J, Nevitt MC, Stefanik JJ. Psychological characteristics and pain sensitization in people with symptomatic and MRI features of patellofemoral osteoarthritis: The Multicenter Osteoarthritis Study. Journal of Rheumatology.
- 7. *Voinier D, Neogi T, <u>Stefanik JJ</u>, Guermazi A, Roemer FW, Thoma L, Master H, Nevitt MC, Lewis CE, Torner J, White DK. Using Cumulative Load to Explain How Body Mass Index and Daily Walking Relate to Worsening Knee Cartilage Damage Over Two Years: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology.
- 8. *Macri E, Neogi T, Tolstykh I, Widjajahakim, Lewis CE, Torner JC, Nevitt MC, Roux M, Stefanik JJ. Relation of patellofemoral joint alignment, morphology, and radiographic osteoarthritis to frequent anterior knee pain: The MOST Study. Arthritis Care and Research (doi: 10.1002/acr.24004; PMID: 31199605.)
- 9. *^Patterson BE, Culvenor AG, Barton CJ, Guermazi A, <u>Stefanik JJ</u>, Crossley KM. Patient-reported outcomes 1 to 5 years after ACL reconstruction: effect of combined injury, and associations with MRI-defined osteoarthritis features. Arthritis Care and Research (doi: 10.1002/acr.23854; PMID: 30762314).

- 10. Jafarzadeh R, Neogi T, <u>Stefanik JJ</u>, Li J, Guermazi A, Apovian C, Felson DT. Mediating role of bone marrow lesion, synovitis, pain sensitization and depressive symptoms on knee pain improvement following substantial weight loss. Arthritis and Rheumatology. 2020; 72 (3): 420-427.
- 11.*Capin J, William J, Neal K, Khandha A, Durkee L, <u>Stefanik JJ</u>, Snyder-Mackler L, Buchanan T. Slower walking speed is related to early trochlear cartilage degradation after ACL reconstruction. Journal of Orthopaedic Research. 2020; 38 (3): 645-652.
- 12.*^Hart H, Van Middelkoop M, <u>Stefanik JJ</u>, Crossley KM, Bierma-Zeinstra S. Is Obesity Related to Incidence of Patellofemoral and Tibiofemoral Osteoarthritis: The Check Study. Rheumatology International. 2020; 40 (2): 227-232.
- 13. Lufler RS, Lazarus M, Stefanik JJ. The effect of a fourth-year medical anatomy teaching course on anatomical knowledge and teaching confidence. Anatomical Sciences Education. 2020; 13 (1): 19-29. (PMID: 30793847).
- 14.*^Hart HF, Gross KD, Crossley KM, Barton CJ, Felson DT, Guermazi A, Roemer FW, Lewis CE, Segal N, Nevitt MC, <u>Stefanik JJ.</u> Is step rate associated with worsening patellofemoral and tibiofemoral joint osteoarthritis in women and men: The MOST Study. Arthritis Care and Research. 2020; 72 (1): 107-113. (PMC6717684; PMID: 30821927).

<u>2019</u>

- 15.*^Culvenor AG, Oiestad BE, Hart HF, <u>Stefanik JJ</u>, Guermazi A, Crossley KM. Prevalence of knee osteoarthritis features on magnetic resonance imaging in asymptomatic uninjured adults: A systematic review and meta-analysis. British Journal of Sports Medicine. 2019; 53 (20): 1268-1278. (PMID: 29886437).
- 16.*^Culvenor AG, Segal N, Guermazi A, Roemer FW, Felson DT, Nevitt MC, Lewis CE, <u>Stefanik JJ.</u> The sex-specific influence of quadriceps weakness on worsening patellofemoral and tibiofemoral cartilage damage? The MOST Study. Arthritis Care and Research. 2019; 71 (10): 1360-1365) (PMC6453735; PMID: 30295439).
- 17.*^Macri E, Patterson BE, Crossley KM, <u>Stefanik JJ</u>, Guermazi A, Blomqwist E, Khan KM, Whitehead TS, Morris HG, Culvenor AG. Does patellar alignment or trochlear morphology predict worsening of patellofemoral disease within the first 5 years after anterior cruciate ligament reconstruction? European Journal of Radiology. 2019; 113: 32-38. (PMC6473803; PMID: 30927957).
- 18.*^Macri E, Felson DT, Ziegler M, Cooke DV, Guermazi A, Roemer FW, Neogi T, Torner J, Lewis CE, Nevitt MC, <u>Stefanik JJ</u>. The association of frontal plane alignment to MRI-defined worsening of patellofemoral osteoarthritis: The MOST Study. Osteoarthritis and Cartilage. 2019; 27 (3): 459-467. (PMC6391198; PMID: 30500383)
- 19. Haj-Mirzaian A, Guermazi A, Pishgar F, Roemer FW, Sereni C, Hakky M, Zikria B, <u>Stefanik JJ</u>, Demehri S. Association of Patella Alta with Worsening of Patellofemoral Osteoarthritis-related Structural Damage: Data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage. 2019; 27 (2): 278-285. (PMID: 30445221).

<u>2018</u>

- 20.*^Patterson BE, Culvenor AG, Barton CJ, Guermazi A, <u>Stefanik JJ</u>, Morris HG, Whitehead TS, Crossley KM. Worsening knee osteoarthritis features on magnetic resonance imaging one to five years following anterior cruciate ligament reconstruction. American Journal of Sports Medicine. 2018; 46 (12): 2873-2883. (PMID: 30179520).
- 21. <u>Stefanik JJ</u>, Felson DT, Niu J, Apovian C, Lavalley MP, Neogi T. Changes in knee pain sensitization after massive weight loss. Arthritis Care and Research. 2018; 70 (10): 1525-1528. (PMC6033694; PMID: 29316386).
- 22.*^Hart HF, Crossley, Felson DT, Jarraya M, Guermazi A, Roemer FW, Lewis CE, Torner J, Nevitt MC, <u>Stefanik JJ.</u> Relation of meniscus pathology to the prevalence and worsening of patellofemoral joint osteoarthritis: The MOST Study. Osteoarthritis and Cartilage. 2018; 26 (7): 912-919. (PMCID: 6005722; PMID: 29427724).
- 23. Avan Middelkoop M, Bennell KL, Callaghan MJ, Collins NJ, Conaghan PG, Crossley KM, Eijkenboom JJFA, van der Heijden RA, Hinman RS, Hunter DJ, Meuffels D, Mills K, Oei, EHG, Runhar J, Schiphof D, Stefanik JJ, Bierma-Zeinstra SMA. International patellofemoral osteoarthritis consortium: Consensus statement of the diagnosis, burden, outcome measures, prognosis, risk factors and treatment. Seminars in Arthritis and Rheumatism. 2018; 47 (5): 666-675. (PMID: 29056348).
- 24. <u>Stefanik JJ</u>, Duncan R, Felson DT, Peat G. Diagnostic performance of clinical examination measures and pain presentation to identify patellofemoral joint osteoarthritis. Arthritis Care and Research. 2018; 70 (1): 157-161. (PMID: 28320074)

- 25.*^Macri E, Felson DT, Zhang Y, Guermazi A, Roemer FW, Crossley KM, Khan KM, <u>Stefanik JJ</u>. Patellofemoral morphology and alignment: Reference intervals and dose-response patterns for the relation to MRI features of patellofemoral osteoarthritis. Osteoarthritis and Cartilage. 2017; 25 (10): 1690-1697. (PMCID: 5605424; PMID: 28648740).
- 26.*Jarraya M, Guermazi A, Felson DT, Roemer FW, Nevitt MC, Torner J, Lewis CE, <u>Stefanik JJ.</u> Is Superolateral Hoffa's Fat Pad Hyperintensity a Marker of Local Patellofemoral Joint Disease? The MOST Study. Osteoarthritis and Cartilage. 2017; 25 (9): 1459-1467. (PMCID: 5583732; PMID: 28606557).
- 27.*Widjajahakim R, Roux M, Jarraya M, Guermazi A, Roemer FW, Neogi T, Lynch J, Lewis CE, Torner J, Felson DT, <u>Stefanik JJ.</u> The relation of patellofemoral joint alignment and trochlear morphology to superolateral Hoffa's fat pad edema: The MOST Study. Radiology. 2017; 284 (3): 806-814 (PMCID: 5584646; PMID: 28418810).
- 28.*^Hart H, Stefanik JJ, Wyndow N, Machotka Z, Crossley KM. Prevalence of patellofemoral joint osteoarthritis: A systematic review and meta-analysis. British Journal of Sports Medicine. 2017; 51 (16): 1195-1208. (PMID: 28456764).
- 29.*^Ukachukwu V, Duncan R, Belcher J, Marshall M, <u>Stefanik JJ</u>, Crossley KM, Thomas M, Peat G. Clinical significance of medial vs. lateral compartment patellofemoral osteoarthritis: cross-sectional analyses in an adult population with knee pain. Arthritis Care and Research. 2017; 69 (7): 943-951. (PMID: 27696767).
- 30. Lufler RS, <u>Stefanik JJ</u>, Niu J, Sawyer FK, Hoagland TM, Gross KD. The association of forefoot varus deformity with patellofemoral cartilage damage in older adult cadavers. The Anatomical Record. 2017; 300 (6): 1032-1038. (PMID: 27884055).

2016

- 31.*^Macri E, <u>Stefanik JJ</u>, Khan K, Crossley K. Is knee alignment and morphology associated with patellofemoral joint osteoarthritis? A systematic review. Arthritis Care and Research. 2016; 68(10): 1453-1470. (PMID: 26814979).
- 32. Crossley KM, Stefanik JJ, Selfe J, Collins NJ, Davis IS, Powers CM, McConnell J, Vicenzino B, Bazett-Jones DM, Escullier JF, Morrissey D, Callaghan MJ. Patellofemoral pain: Consensus statement from the 4th International Patellofemoral Pain Research Retreat, Manchester September 2015: Terminology, definitions, clinical examination, natural history, patellofemoral osteoarthritis and patient-reported outcome measures. British Journal of Sports Medicine. 2016; 50(14): 839-843 (PMID: 27343241. PMCID: PMC4975817).
- 33. <u>Stefanik JJ</u>, Guermazi A, Roemer FW, Peat G, Niu J, Segal NA, Lewis CE, Nevitt MC, Felson DT. Changes in patellofemoral and tibiofemoral joint cartilage damage and bone marrow lesions over 7 years: The MOST Study. Osteoarthritis and Cartilage. 2016; 24(7): 1160-1166 (PMID: 26836287. PMCID: PMC4907825).
- 34. <u>Stefanik JJ</u>, Gross KD, Guermazi A, Felson DT, Roemer FW, Niu J, Lynch JA, Segal NA, Lewis CE, Lewis CL. The relation of step length to MRI features of osteoarthritis in the patellofemoral joint: The MOST Study. Arthritis Care and Research. 2016; 68 (6): 776-783 (PMID: 26413842. PMCID: PMC4809780)

35. <u>Stefanik JJ</u>, Gross KD, Guermazi A, Felson DT, Roemer FW, Zhang Y, Niu J, Segal NA, Lewis CE, Nevitt MC, Neogi T. The relation of MRI-detected structural damage in the medial and lateral patellofemoral joint to knee pain: The Multicenter and Framingham Osteoarthritis Studies. Osteoarthritis and Cartilage. 2015; 23(4): 565-570. [PMID: 25575967. PMCID: PMC4368472]

2014

- 36. <u>Stefanik JJ</u>, Neogi T, Niu J, Roemer FW, Segal NA, Lewis CE, Nevitt MC, Guermazi A, Felson DT. The diagnostic performance of anterior knee pain and activity-related pain in identifying knees with structural damage in the patellofemoral joint: The Multicenter Osteoarthritis Study. Journal of Rheumatology. 2014; 41(8): 1695-1702. [PMID: 24931959. PMCID: PMC4182011]
- 37. Witvrouw E, Callaghan MJ, <u>Stefanik JJ</u>, Noehren B, Bazett-Jones D, Wilson, JD, Earl-Boehm JE, Davis IS, Powers CM, McConnell J, Crossely KM. Patellofemoral pain: consensus statement from the 3rd International Pain Research Retreat held in Vancouver, September 2013. British Journal of Sports Medicine. 2014; 48(6): 411-4. [PMID: 24569145]

2013

- 38. <u>Stefanik JJ</u>, Zumwalt AC, Segal, NA, Lynch JA, Powers CM. The association between measures of patella height, trochlear morphology and patellofemoral joint alignment: The MOST Study. Clinical Orthopaedics and Related Research. 2013; 471(8): 2641-2648. [PMID: 23546847. PMCID: PMC3705075]
- 39. <u>Stefanik JJ</u>, Niu J, Gross KD, Roemer FW, Guermazi, A, Felson DT. Using magnetic resonance imaging to determine the compartmental prevalence of knee joint structural damage. Osteoarthritis and Cartilage. 2013; 21(5): 695-699. [PMID: 23428598. PMCID: PMC3638815]

2012

- 40. Gross KD, Niu J, <u>Stefanik JJ</u>, Guermazi A, Roemer FW, Sharma L, Nevitt MC, Segal NA, Lewis CE, Felson DT. Breaking the Law of Valgus: the surprising and unexplained prevalence of medial patellofemoral cartilage damage. Annals of Rheumatic Diseases. 2012; 71(11): 1827-1832. [PMID: 22534825. PMCID: PMC4011177]
- 41. Stefanik JJ, Roemer FW, Zumwalt AC, Zhu Y, Gross KD, Lynch JA, Frey-Law LA, Lewis CE, Guermazi A, Powers CM, Felson DT. The association between measures of trochlear morphology and structural features of patellofemoral joint osteoarthritis on MRI: The MOST Study. Journal of Orthopaedic Research. 2012; 30(1): 1-7. [PMID: 21710542. PMCID: PMC3217080]

42. Stefanik JJ, Guermazi A, Zhu Y, Zumwalt AC, Clancy M, Gross KD, Segal, NA, Lynch JA, Lewis CE, Roemer FW, Powers CM, Felson DT. Quadriceps weakness, patella alta and structural features of patellofemoral joint osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis Care and Research. 2011; 63(10): 1391-1397. [PMID: 21702087. PMCID: PMC3183313]

<u>2010</u>

43. Stefanik JJ, Zhu Y, Zumwalt AC, Gross KD, Clancy M, Lynch JA, Frey-Law LA, Lewis CE, Roemer FW, Powers CM, Guermazi A, Felson DT. Association between patella alta and the prevalence and worsening of structural features of patellofemoral joint osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis Care and Research. 2010; 62(9): 1258-1265. [PMID: 20506169. PMCID: PMC2943040]

PEER REVIEWED CONFERENCE ABSTRACT PRESENTATIONS

*Denotes student, post-doc, trainee author

^Denotes international collaboration

- 1. <u>Stefanik JJ</u>, Neogi T, Jarraya M, Guermazi A, Lynch JA, Tolstykh I, Lewis CE, Torner JC, Macri EM. Relation of MRI-Detected Structural Damage in the Knee to Anterior Knee Pain: The MOST Study. ACR/ARP Annual Meeting, November 2019 (Poster Presentation).
- 2. Maxwell J, Neogi T, Crossley KM, Macri E, White DK, Guermazi A, Roemer FW, Nevitt MC, Lewis CE, Torner J, <u>Stefanik JJ</u>. Relation of MRI-detected structural damage in the patellofemoral joint to pain and performance based function: The MOST Study. ACR/ARP Annual Meeting, November 2019 (Poster Presentation).
- 3. *^Hart H, Neogi T, Lavalley MP, White DK, Zhang Y, Nevitt MC, Torner J, Lewis CE, Stefanik JJ. Relationship of patellofemoral joint osteoarthritis to trajectories of physical function: The MOST Study. International Patellofemoral Research Retreat, October 2019 (Oral Presentation).
- 4. <u>Stefanik JJ</u>, Neogi T, Jarraya M, Guermazi A, Lynch JA, Tolstykh I, Lewis CE, Torner JC, Macri EM. Relation of MRI-Detected Structural Damage in the Knee to Anterior Knee Pain: The MOST Study. International Patellofemoral Research Retreat, October 2019 (Oral Presentation).
- 5. *Macri E, Neogi T, Tolstykh I, Widjajahakim R, Lewis CE, Torner JC, Nevitt MC, Roux M, Stefanik JJ. Two approaches to evaluate the associations between patellofemoral joint alignment, morphology, radiographic osteoarthritis and anterior knee pain: The MOST Study. Osteoarthritis Research Society International, May 2019 (Poster Presentation).
- 6. Hart H, van Middelkoop M, <u>Stefanik JJ</u>, Crossley KM, Bierma-Zeinstra SM. Is obesity related to incidence of patellofemoral and tibiofemoral osteoarthritis? The cohort hip and cohort knee study. Osteoarthritis Research Society International, May 2019 (**Oral Presentation**).
- 7. *^Hart H, Neogi T, Lavalley MP, White DK, Zhang Y, Nevitt MC, Torner J, Lewis CE, Stefanik JJ. Relationship of patellofemoral joint osteoarthritis to trajectories of physical

- function: The MOST Study. Osteoarthritis Research Society International, May 2019 (Poster Presentation).
- 8. *Mathews D, Neogi Ť, <u>Stefanik JJ</u>, Guermazi A, Roemer FW, Thoma L, Master H, Christiansen M, Nevitt MC, Torner J, White DK. How sedentary time relates to risk of worsening knee cartilage damage over two years: The MOST Study. Osteoarthritis Research Society International, May 2019 (Poster Presentation).

- 9. *Master H, Thoma L, Christiansen M, Mathews D, Macri EM, Ziegler M, <u>Stefanik JJ</u>, White DK. Friend Or Foe: Does Walking at Higher Intensities Increase Or Decrease the Risk of Total Knee Arthroplasty over 5 Years? ACR/ARHP Annual Meeting, October 2018 (Poster Presentation).
- 10. Jafarzadeh SR, Neogi T, <u>Stefanik JJ</u>, Clancy M, Li J, Felson DT. Do Changes in Pain Sensitization and Depressive Symptoms Mediate the Effect of Extreme Weight Loss on Knee Pain Improvement? ACR/ARHP Annual Meeting, October 2018 (**Oral Presentation**).
- 11.*Macri EM, Neogi T, Tolstykh I, Lewis CE, Torner J, Nevitt, <u>Stefanik JJ</u>. Relation of Patellofemoral Joint Alignment, Morphology, and Radiographic Osteoarthritis to Frequent Anterior Knee Pain: The MOST Study. ACR/ARHP Annual Meeting, October 2018 (Poster Presentation).
- 12.*^Hart H, Gross KD, Crossley KM, Barton CJ, Felson DT, Guermazi A, Roemer FW, Lewis CE, Segal N, Nevitt MC, <u>Stefanik JJ.</u> Relation of step rate to worsening of patellofemoral and tibiofemoral joint cartilage damage in women and men: The MOST Study. Canadian Bone and Joint Conference, May 2018 (Young Investigator Award Oral Presentation).
- 13.*Master H, Thoma L, Christensen M, Mathews D, <u>Stefanik JJ</u>, White DK. Association of daily walking with the risk of total knee replacement over 5 years: an observational study. Osteoarthritis Research Society International, April 2018 (Poster Presentation).
- 14.*Mathews D, White DK, Neogi T, Guermazi A, Roemer FW, Thoma L, Master H, Christiansen M, Lewis CE, Nevitt MC, Torner J, <u>Stefanik JJ</u>. The relation of cumulative load to worsening knee cartilage damage over two years: The Most Study. Osteoarthritis Research Society International, April 2018 (Poster Presentation).
- 15. *^Culvenor AG, Segal N, Guermazi A, Roemer FW, Felson DT, Nevitt MC, Lewis CE, Stefanik JJ. Does knee extensor weakness increase risk of worsening tibiofemoral and patellofemoral cartilage damage? The MOST Study. Osteoarthritis Research Society International, April 2018 (Poster Presentation).
- 16.*^Collins N, Neogi T, Vicenzino B, Guermazi A, Roemer FW, Lewis CE, Torner J, Nevitt MC, <u>Stefanik JJ</u>. Psychological characteristics and pain sensitization in people with symptomatic and MRI features of patellofemoral osteoarthritis: The Multicenter Osteoarthritis Study. Osteoarthritis Research Society International, April 2018 (Oral Presentation).
- 17.*^Hart H, Gross KD, Crossley KM, Barton CJ, Felson DT, Guermazi A, Roemer FW, Lewis CE, Segal N, Nevitt MC, <u>Stefanik JJ.</u> Relation of step rate to worsening of patellofemoral and tibiofemoral joint cartilage damage in women and men: The MOST Study. Osteoarthritis Research Society International, April 2018 (**Oral Presentation**).

- 18. Stefanik JJ, McClelland, Brown C, LaValley M, Torner J, Nevitt MC, Lewis CE, Neogi T. Relation of gait speed to incident knee replacement: The MOST Study. ACR/ARHP Annual Meeting, November 2017 (Poster Presentation).
- 19. Stefanik JJ, White DK, Brown C, Frey-Law L, Nevitt MC, Lewis CE, Neogi T. Relation of pain sensitization to low physical function: The MOST Study. ACR/ARHP Annual Meeting, November 2017 (Oral Presentation).
- 20. Mathews D, Neogi T, Stefanik JJ, Guermazi A, Roemer FW, Thoma L, Master H, Christiansen M, Lewis CE, Nevitt MC, Torner J, White DK. The relation of cumulative load to prevalent cartilage damage in the knee. ACR/ARHP Annual Meeting, November 2017 (Oral Presentation).
- 21.*^Macri E, Felson DT, Crosley KM, Guermazi A, Roemer FW, Khan KM, <u>Stefanik JJ</u> Patellofemoral trochlear morphology and alignment: dose-response patterns and thresholds for identifying patellofemoral osteoarthritis in the Framingham Community Cohort. International Patellofemoral Pain Research Retreat, July 2017 (**Oral Presentation**).
- 22.*^Hart H, Crossley KM, Felson DT, Jarraya M, Guermazi A, Roemer FW, Lewis CE, Torner J, Nevitt MC, <u>Stefanik JJ.</u> Relation of meniscus pathology to the prevalence and worsening of patellofemoral joint osteoarthritis: The MOST Study. International Patellofemoral Pain Research Retreat, July 2017 (**Oral Presentation**).
- 23.*^Collins N, Neogi T, Vicenzino B, Guermazi A, Roemer FW, Lewis CE, Torner J, Nevitt MC, Stefanik JJ. Psychological characteristics and pain sensitization in people with patellofemoral osteoarthritis: The MOST Study. International Patellofemoral Pain Research Retreat, July 2017 (Oral Presentation).
- 24.*^Macri E, Felson DT, Crossley KM, Guermazi A, Roemer FW, Khan KM, <u>Stefanik JJ</u>. Defining abnormal cut-points for patellofemoral alignment and trochlear morphology and their relation to patellofemoral osteoarthritis: The Framingham Osteoarthritis Study. Osteoarthritis Research Society International, April 2017 (Poster Presentation).

- 25. Gross KD, Hillstrom HJ, Brown CA, Jones R, <u>Stefanik JJ</u>, Nevitt MC, Lewis CE, Torner J, Felson DT. Relation of Foot Pronation During Walking to Risk of Worsening Lateral Patellofemoral and Medial Tibiofemoral Cartilage Damage: The MOST Study. ACR/ARHP Annual Meeting, November 2016 (Poster Presentation).
- 26.*Jarraya M, Guermazi A, Felson DT, Roemer FW, Nevitt MC, Torner J, Lewis CE, <u>Stefanik JJ</u>. The association of superolateral Hoffa's fat pad edema and synovitis with structural changes in the patellofemoral and tibiofemoral joints: The MOST Study. ACR/ARHP Annual Meeting, November 2016 (Poster Presentation).
- 27.*Jarraya M, Guermazi A, Felson DT, Roemer FW, Nevitt MC, Torner J, Lewis CE, <u>Stefanik JJ</u>. The association of superolateral Hoffa's fat pad edema and synovitis with structural changes in the patellofemoral and tibiofemoral joints: The MOST Study. Radiological Society of North America, November 2016 (**Oral Presentation**).
- 28.*Jarraya M, Guermazi A, Felson DT, Roemer FW, Nevitt MC, Torner J, Lewis CE, <u>Stefanik JJ.</u> The relation of superolateral Hoffa's fat pad edema and synovitis to cartilage damage and bone marrow lesions in the patellofemoral and tibiofemoral joints: The MOST Study. International Workshop on Osteoarthritis Imaging, June 2016 (Poster Presentation).

- 29.*^Ukachukwu V, Duncan RC, Belcher J, Marshall M, <u>Stefanik JJ</u>, Crossley K, Thomas MJ, Peat G. Comparative frequency of medial versus lateral compartment patellofemoral joint osteoarthritis and associations with risk factors and clinical outcomes: Cross-sectional analyses in an adult population with knee pain. Osteoarthritis Research Society International, April 2016 (Poster Presentation).
- 30. <u>Stefanik JJ</u>, Felson DT, Niu J, Clancy, M, Apovian C, Lavalley MP, Neogi T. Changes in knee pain and sensitization after bariatric surgery. Osteoarthritis Research Society International, April 2016 (Poster Presentation).
- 31.*Widjajahakim R, Guermazi A, Jarraya M, Roemer FW, Neogi T, Lynch J, Lewis CE, Torner J, Felson DT, <u>Stefanik JJ.</u> The relation of patellofemoral joint alignment and trochlear morphology to superolateral Hoffa's fat pad edema: The MOST Study. Osteoarthritis Research Society International, April 2016 (Poster Presentation).

- 32. <u>Stefanik JJ</u>, Felson DT, Niu J, Apovian C, Lavalley MP, Neogi T. The relation of massive weight loss to changes in knee pain and sensitization. ACR/ARHP Annual Meeting, November 2015 (**Oral Presentation**).
- 33.*^Macri E, <u>Stefanik JJ</u>, Khan K, Crossley K. Is knee alignment and morphology associated with patellofemoral joint osteoarthritis? A systematic review. International Patellofemoral Pain Research Retreat, September 2015 (**Oral Presentation**).
- 34.*^Macri E, <u>Stefanik JJ</u>, Khan K, Crossley K. Is knee alignment and morphology associated with patellofemoral joint osteoarthritis? A systematic review. Osteoarthritis Research Society International, April 2015 (Poster Presentation).
- 35. <u>Stefanik JJ</u>, Felson DT, Duncan R, Peat G. The diagnostic performance of clinical examination measures, location of pain and pain with activities in identifying knees with radiographic patellofemoral joint osteoarthritis. Osteoarthritis Research Society International, April 2015 (Poster Presentation).

2014

- 36. <u>Stefanik JJ</u>, Gross KD, Felson DT Niu J, White DK, Guermazi A, Roemer FW, Lewis CE, Segal NA, Nevitt MC, Lewis CL. The relation of step length to MRI features of osteoarthritis in the patellofemoral joint: The MOST Study. ACR/ARHP Annual Meeting, November 2014 (Poster Presentation).
- 37. <u>Stefanik JJ</u>, Guermazi A, Niu J, Roemer FW, Lewis CE, Segal NA, Nevitt MC, Felson DT. Changes in knee compartment distribution of cartilage loss and bone marrow lesions over 7 Years: The MOST Study. ACR/ARHP Annual Meeting, November 2014 (Poster Presentation).
- 38. <u>Stefanik JJ</u>, Gross KD, Felson DT, Niu J, Segal NA, Lewis CE, Nevitt MC, Roemer FW, Guermazi A, Neogi T. Does medial patellofemoral osteoarthritis matter? The relation of MRI-detected structural damage in the medial and lateral patellofemoral joint to knee pain: The MOST and Framingham Osteoarthritis Studies. Osteoarthritis Research Society International, April 2014 (**Oral Presentation**).

- 39. <u>Stefanik JJ</u>, Neogi T, Niu J, Lynch JA, Segal NA, Lewis CE, Nevitt MC, Roemer FW, Guermazi A, Felson DT. The diagnostic utility of anterior knee pain and pain with activities in identifying knees with MRI detected structural damage in the patellofemoral joint: The MOST Study. ACR/ARHP Annual Meeting, October 2013 (Poster Presentation).
- 40. <u>Stefanik JJ</u>, Neogi T, Lynch JA, Segal NA, Lewis CE, Felson DT. The diagnostic utility of anterior knee pain and pain with stairs in identifying knees with MRI detected structural damage in the patellofemoral joint: The MOST Study. International Patellofemoral Pain Research Retreat, September 2013 (Poster Presentation).

- 41. <u>Stefanik JJ</u>, Wang K, Gross KD, Lynch JA, Segal NA, Lewis CE, Roemer FW, Guermazi A, Felson DT. The association of demographic, modifiable, structural and biomechanical risk factors with medial and lateral patellofemoral joint structural damage on MRI: The Multicenter Osteoarthritis Study. ACR/ARHP Scientific Meeting, November 2012 (Poster Presentation).
- 42. <u>Stefanik JJ</u>, Niu J, Segal NA, Lewis CE, Roemer FW, Nevitt MC, Guermazi A, Felson DT. The association between hamstring strength and hamstring-quadriceps strength ratio with patellofemoral joint cartilage damage: The MOST Study. Osteoarthritis Research Society International, April 2012 (Poster Presentation).

<u>2011</u>

43. <u>Stefanik JJ</u>, Niu J, Gross KD, Roemer FW, Guermazi A, Felson DT. The patellofemoral joint is the most common compartment affected by structural features of knee osteoarthritis using Magnetic Resonance Imaging data. Osteoarthritis Research Society International, September 2011 (**Oral Presentation**).

2010

- 44. <u>Stefanik JJ</u>, Zhu Y, Zumwalt AC, Gross KD, Clancy M, Lynch JA, Frey-Law LA, Lewis CE, Roemer FW, Powers CM, Guermazi A, Felson DT. Does trochlear shape modify the relationship between patella alta and patellofemoral joint cartilage damage? The MOST Study. American Association of Clinical Anatomists, July 2010 (Poster Presentation).
- 45. <u>Stefanik JJ</u>, Zhu Y, Zumwalt AC, Gross KD, Clancy M, Lynch JA, Frey-Law LA, Lewis CE, Roemer FW, Guermazi A, Powers CM, Felson DT. Does quadriceps strength modify the association between patella alta and structural features of osteoarthritis on MRI? The MOST Study. American Association of Anatomists/Experimental Biology Annual Meeting, April 2010 (Oral Presentation).

- 46. <u>Stefanik JJ</u>, Zhu Y, Gross KD, Clancy M, Zumwalt AC, Lynch J, Felson DT. The association between patella alta and structural features of osteoarthritis on MRI: The Multicenter Osteoarthritis Study. FASEB J 23 (4): 649.4, 2009 (Poster Presentation).
- 47. <u>Stefanik JJ</u>, Zhu Y, Zumwalt AC, Gross KD, Clancy M, Lynch JA, Frey-Law LA, Lewis CE, Roemer FW, Powers CM, Guermazi A, Felson DT. The association between patella alta and structural features of patellofemoral joint osteoarthritis (OA) on MRI: The MOST Study. ACR/ARHP Scientific Meeting, October 2009 (**Oral Presentation**).
- 48. <u>Stefanik JJ</u>, Zhu Y, Zumwalt AC, Gross KD, Clancy M, Lynch JA, Frey-Law LA, Lewis CE, Roemer FW, Guermazi A, Powers CM, Felson DT. Patella alta is associated with patellofemoral malalignment: The MOST Study. ACR/ARHP Scientific Meeting, October 2009 (Poster Presentation).

49. <u>Stefanik JJ</u>, Foster TE, Hoagland TM, Lufler RS, Zumwalt A, Felson DT. Is there an association between patella alta and the severity and location of patellofemoral joint deterioration? A cadaveric study. FASEB J 22(4): 773.1, 2008 (Poster Presentation).

RESEARCH SUPPORT (\$1.4 Million as PI)

CURRENT

1. NIH/NIAMS K23 AR070913

7/11/17-5/30/22

The relation of altered pain processing to impact loading and response to a gait retraining intervention in knee osteoarthritis

The goal of this proposal is to investigate how alterations in pain processing affect impact loading and whether a simple and novel gait retraining strategy can improve impact loading in individuals with knee OA. Additionally, this proposal will afford me new training and mentorship in the neurobiology of pain, biomechanics and motion analysis methodology, gait retraining, and conduct of a clinical trial, which build upon my research experience in clinical epidemiology.

Role: PI

Total costs: \$766,500

PENDING

1. American College of Sports Medicine Epidemiological Research on Physical Activity Walking asymmetry as a risk factor for bilateral knee pain and osteoarthritis

The goals of this proposal are to determine if gait asymmetry is associated with new onset knee pain and MRI defined structural damage

Role: Primary Mentor

PI: Patrick Corrigan (Post-doctoral fellow)

Total costs: \$10,000

2. NIH/NIAMS R03 AR077698 7/01/20-6/30/22 Anterior knee pain in older adults and the relation to future patellofemoral osteoarthritis

The goals of this proposal are to determine 1) risk factors for anterior knee pain in older adults and 2) if anterior knee pain is related to future patellofemoral osteoarthritis. Findings will inform future clinical trials to prevent patellofemoral osteoarthritis.

Role: PI

Total costs: \$171,684

3. Rheumatology Research Foundation Graduate Student Preceptorship 6/1/20-7/24/20

The goal of this preceptorship is to introduce graduate students to rheumatology related research.

Role: Primary mentor/preceptor (Khara James, PhD student, preceptee)

Total costs: \$4,000

COMPLETED

1. NIH/NICHD F30 HD096830

8/2/18-8/31/19

Walking Mechanics, Early Osteoarthritis Development, and Neuromuscular Training after Traumatic Knee Injury

The goal of this project is to quantify early degenerative changes in the patellofemoral joint, correlate these degenerative changes to walking mechanics, and evaluate a rehabilitation strategy to improve walking mechanics after knee surgery. The findings will inform clinical practice to improve health and quality of life as well as provide the PI a solid foundation for a career as a clinician-scientist.

Role: Collaborator (Capin, PI)

2. NIH U54 GM1049

9/1/17-8/31/18

Delaware-CTR ACCEL

The overall goal of the Delaware Clinical and Translational Research Program is increasing the clinical and translational research readiness of the participating institutions. This award provided Dr. Stefanik additional startup funds.

Role: ACCEL Scholar (Binder-Macleod, PI)

3. Rheumatology Research Foundation Investigator Award

Identifying cases of patellofemoral joint osteoarthritis and their hip impairments

The goal of this project is to develop strategies to discriminate knees with patellofemoral osteoarthritis from those with tibiofemoral joint osteoarthritis in order to maximize recruitment strategies for clinical trials. Another goal is to investigate hip strength and kinematic/movement pattern differences in subjects with patellofemoral joint osteoarthritis that can be targets for rehabilitation strategies (i.e. specific muscle strengthening, gait retraining, etc.).

Role: PI

Total costs: \$375,000

4. NIH/NIAMS P60 AR047785

NIAMS Multidisciplinary Clinical Research Center

7/1/12-6/30/17

Project 1: Massive weight loss and its effects on knee pain and knee structure
The goal of this study is to determine the effects of massive weight loss on knee pain and structure. A secondary goal is to determine how knee pain and sensitization changes after massive weight loss.

Role: Co-Investigator (Felson, PI)

Total costs: \$3,905,067

5. La Trobe University, Melbourne, Australia

Spring 2017

Sports, Exercise and Rehabilitation Research Focus Area, Collaboration Enabling Scheme The goal of this competitive mechanism is to support travel of an external scholar to travel to LaTrobe University for multi-disciplinary research collaboration. The objectives for this visit will be to complete active collaborative research projects related to knee osteoarthritis and to plan a competitive grant (e.g. NHMRC) to evaluate physical activity, knee alignment and structural changes on MRI in people with patellofemoral joint osteoarthritis. Total costs: \$10,000

6. OARSI Collaborative Scholarship

9/1/16-12/15/16

Population-based norms for measures of patellofemoral joint alignment and morphology The goal of this study is to determine population-based norms for measures of patellofemoral joint alignment and morphology. A second goal is to determine cut points for these measures that best predict MRI features of patellofemoral joint osteoarthritis.

Role: Host (Guest: Erin Macri, PhD Candidate University of British Columbia)

Total costs (to Guest): \$6,000

7. Rheumatology Research Foundation Scientist Development Award

Identifying patellofemoral osteoarthritis by pain site and with activities

The major goals of this project are to determine if anterior knee pain and pain with stairs are associated with patellofemoral joint OA. These are two common pain presentation thought

to reflect underlying patellofemoral joint pathology, but there is no evidence of this relationship. An additional goal of the project is to determine the diagnostic utility of these self-reported pain measures in discriminating PFJ OA from TFJ/No OA.

Role: PI

Total costs: \$125,000

8. NIH/NIAMS T32 AR007598

11/1/10-6/30/12

Rheumatology Training Grant

Our training program for postdoctoral trainees mostly consists of Rheumatologists who are interested in entering research careers. Our training program, which provides training in both clinical and laboratory research, has been extremely successful and is oversubscribed by trainees who come not only from rheumatology backgrounds, but also increasingly from physical therapy or other fields.

Role: Trainee (Felson, PI)

9. Arthritis Foundation Postdoctoral Fellowship

Effect of massive weight loss on patellofemoral joint structure and pain

8/1/11-7/31/14

The major goals of this project are to determine the benefits of massive weight loss on patellofemoral joint structure and pain. By doing so, it may provide information on the whether an extreme unloading intervention (bracing) can favorably affect joint structure, providing information on the limits of medical treatment for joint abnormalities.

Role: PI

Total costs: \$100,000

10. Arthritis Foundation Doctoral Dissertation Award

8/1/08-7/31/10

The association between patella alta and patellofemoral joint osteoarthritis and pain. The major goal of this project was to investigate patella alta as a risk factor for patellofemoral joint osteoarthritis. Additionally, we determined if the combination of patella alta and either quadriceps weakness and/or the shape of the femoral trochlea further increased risk than any of the factors alone.

Role: PI

Total costs: \$60,000

SUBMITTED NOT FUNDED

1. NHMRC Australia Investigator Grant

1/1/20-12/31/24

Quality of Life in People with Patellofemoral Osteoarthritis: A Prospective Study
The aim of the proposed research is to identify mechanical (e.g. knee alignment) and nonmechanical (e.g. fear of movement) factors associated with worsening of quality of life in
people with PFOA. Additional aims are to (i) identify factors associated with worsening of
structural disease, (ii) describe the trajectories of quality of life over two years; (iii) explore
the influence of factors such as smoking and socioeconomic status on worsening of quality
of life; and (iv) explore the interactions between mechanical and non-mechanical factors.

Role: Mentor (Hart, PI) Total costs: \$625,000

Score: 4.3/7 (Applications > 5.3 were funded)

2. Rheumatology Research Foundation K Supplement

9/16/19-9/15/21

Change in knee pain location patterns after a gait retraining program and their relation to future osteoarthritis development

The goal of this project is to understand the temporal relationship between AKP and PF OA and to determine to what extent knee pain location patterns change after a gait retraining intervention.

Total costs: \$100,000

3. NIH/NIAMS R01 AR075774

6/1/20-5/31/25

Effects of Massive Weight Loss on Kinematic and Psychosocial Predictors of Fall Risks
The goal of this project is to determine risk factors for falls in adults after bariatric surgery.
The results of this study will inform the design of a future randomized controlled trial.

Role: Co-Investigator (Gill, PI)

Score: Not discussed

4. DOD PRMRP Focused Program Award

4/1/18-3/31/22

UD Mechanical Regulation, Rehabilitation, and Intervention (MR²I) Program

The overall goal of this proposal is to identify the "sweet spots" of joint loading to maintain joint health in human and animals. Furthermore, we aim to test three strategies to reduce post-traumatic osteoarthritis risks: mechanical regulation, rehabilitation, and early intervention.

Role: Co-PI Project 5 Total Costs: \$10,000,000

Project 5 Total Costs: \$1,247,808

Overall Program Score: 2.1/5 (Excellent)

Project 5 Score: 2.0/5 (Excellent)

ACADEMIC AND PROFESSIONAL HONORS AND AWARDS

2017	Arthritis Care and Research Top 5% Reviewer Award
2016	Arthritis Care and Research Top 5% Reviewer Award
2014	Selected to attend Training in Grantsmanship for Rehabilitation Research (TIGRR) workshop, University of North Carolina
2010	American Association of Clinical Anatomists Sandy Marks Student Poster Presentation Award Winner
2010	American Association of Anatomists Langman Graduate Student Oral Presentation Award Finalist
2009	American College of Rheumatology Research Education Foundation Abbott Graduate Student Achievement Award
2009	American Association of Anatomists Graduate Student Poster Presentation Award Finalist
2008	American Association of Anatomists Graduate Student Poster Presentation Award Finalist
2003	David Grant USAF Medical Center, 60th Surgical Operations Squadron Junior Company Grade Officer of the Second Quarter
2003	David Grant USAF Medical Center, 60th Surgical Operations Squadron Junior Company Grade Officer of the Year
2001	Catherine Allen Award, Northeastern University, Bouve College of Health Sciences

TEACHING EXPERIENCE

Northeastern University

2020-present Gross Anatomy

2018-2019 Functional Neuroanatomy Laboratory

2017 Kinesiology Laboratory

2016-2017 Kinesiology

2006-2015 Diagnostic Imaging

2006-2011 Gross Anatomy Laboratory Instructor (Physical Therapy and Physician

Assistant Programs)

2006-2015 Neuroscience Laboratory Instructor

2002 Anatomy and Physiology Laboratory Instructor

University of Delaware

2018 Clinical Gross Anatomy Lecture and Laboratory (Course Coordinator)

Boston University School of Medicine

2010 Medical Gross Anatomy Teaching Associate

2009 Vesalius Program Teaching Practicum: Hands on Laboratory Experience to

Medical Students on Clinical Knee Examination

2008 Vesalius Program Teaching Practicum: Lecture to Medical Students on

Clinical Knee Examination and Applied Knee Joint Anatomy

2008 Medical Neuroscience Teaching Assistant

2007-2008 Medical Gross Anatomy Teaching Assistant

New England College of Optometry

2011-2015 Gross Anatomy Laboratory Course Director

SERVICE/COMMITTEES

Northeastern University

Service to the Department of Physical Therapy, Movement and Rehabilitation Sciences

2015-2017 Outcomes Committee 2015-2017 Research Committee

Service to Bouve College of Health Sciences

2018 Tier 1 Grant Program Reviewer

2018-present Research Committee

2016 New Student Summer Orientation Faculty Representative

(June and July Sessions)

2016 Accepted Students Welcome Day Faculty Representative

2016 Health Science Friday Faculty Representative

2001-2002 Peer Mentor Coordinator

University of Delaware

Service to the Department of Physical Therapy

2017-2018 Director, University of Delaware Anatomical Gift Program

Boston University School of Medicine

2009-2010 Graduate Student Representative, Department of Anatomy and

Neurobiology

Service to the Profession

2019 American College of Rheumatology, Annual Meeting Abstract Reviewer,

Osteoarthritis

2018-present Research Committee, American College of Rheumatology/Association of

Rheumatology Health Professions

2018 American Physical Therapy Association, Orthopedic Section, Combined

Sections Meeting Student Poster Award Judge

2016-present American Physical Therapy Association, Orthopedic Section, Combined

Sections Meeting Abstract Reviewer

2016-2019 Communications Committee, Social Media Subcommittee, Osteoarthritis

Research Society International

2016-present Research Committee, American Physical Therapy Association, Orthopedic

Section

2016-2018 Education Committee, Audiovisual Aids Subcommittee, American College

of Rheumatology/Association of Rheumatology Health Professions

2016 Co-chair Program Committee, 2017 International Patellofemoral Research

Retreat

2016	American College of Rheumatology, Association of Rheumatology Health Professionals, 2016 Annual Meeting Abstract Reviewer		
2011-2014	American Association of Anatomists, Advisory Committee for Young Anatomists		
2011-2014	Abstract Reviewer, Experimental Biology/American Association of Anatomists Annual Conference		

STUDENT/TRAINEE MENTORING

Name	University/Department	Degree/Year
Erin Macri	University of Delaware	Postdoc 2018
Jacob Capin	University of Delaware, Biomechanics and Movement Science	PhD/2019
Jackson Lynch	Northeastern University, Engineering	BS/2021
Shane Taylor	Tufts University School of Medicine	MD/2020
Rucha Gor	Northeastern University, Behavioral Neuroscience	BS/2020
Mollie Sanregret	Northeastern University, Physical Therapy	DPT/2020
Nikitha Das	Northeastern University, Bioengineering	BS/2019
Aubrie Sanchez	Northeastern University, Health Sciences	MPH/2017
Erin Macri	University of British Columbia, Experimental Medicine	PhD/2017
Rafael Widjajahakim	Boston University School of Medicine, Clinical Investigation	MS/2016
Scott Keller	Northeastern University, Health Sciences	MPH/2016

AD HOC MANUSCRIPT REVIEWER

Anatomical Record
Annals of Internal Medicine
Arthritis and Rheumatology
Arthritis Care and Research
Arthritis Research & Therapy
BMC Musculoskeletal
British Journal of Sports Medicine
European Journal of Radiology
Journal of Orthopaedic Research

Journal of Orthopaedic & Sports Physical Therapy Journal of Rheumatology Osteoarthritis and Cartilage

EDITORIAL BOARD MEMBERSHIPS AND RELATED POSITIONS

2018-present Arthritis Care and Research

2018-present Books of Discovery Advisory Council

AD HOC GRANT REVIEWER

2019, 2020 Orthopaedic Research and Education Foundation

2018 Swiss National Science Foundation

2016 Reumafonds: The Dutch Arthritis Foundation

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2010-present Osteoarthritis Research Society International

2008-present Association of Rheumatology Health Professionals

2006-present American Association of Anatomists

2006-present American Association of Clinical Anatomists

2003-present American Physical Therapy Association