

CURRICULUM VITAE

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FORMAL EDUCATION

University of Medicine and Dentistry of New Jersey – New Jersey Medical School

- Post-Doctoral Fellowship Neuroscience 2001

University of Georgia

- Doctor of Philosophy Exercise Science 1998
- Master of Arts Exercise Science 1995

Arizona State University

- Bachelor of Science Psychology 1992

POSITIONS HELD

Professor, Department of Kinesiology 2015-present
University of Wisconsin – Madison, Wisconsin

Associate Professor, Department of Kinesiology 2012-present
University of Wisconsin – Madison, Wisconsin

Assistant Professor, Department of Kinesiology 2005-present
University of Wisconsin – Madison, Wisconsin

Research Physiologist/ Health Science Specialist 2006-present
William S. Middleton Memorial Veterans Hospital, Madison, Wisconsin

Assistant Director of Research, War Related Illness and Injury Study Center 2005-2006
Veterans Administration Medical Center, East Orange, New Jersey

Adjunct Assistant Professor, Department of Psychology 2005-2005
Rutgers University, Newark, New Jersey

Assistant Professor, Department of Radiology 2002-2005
UMDNJ - NJ Medical School, Newark, New Jersey

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| Research Physiologist/ Health Science Specialist Veterans Administration Medical Center, East Orange, New Jersey | 2001-2005 |
| Post-doctoral Fellow, Departments of Neuroscience and Anesthesiology UMDNJ - New Jersey Medical School, Newark, New Jersey | 1998- 2001 |
| Research Assistant, Department of Exercise Science University of Georgia, Athens, Georgia | 1995-1998 |
| Teaching Assistant, Department of Exercise Science University of Georgia, Athens, Georgia | 1994-1995 |
| Research Assistant, Department of Exercise Science University of Georgia, Athens, Georgia | 1993-1994 |
| Laboratory Assistant, Department of Exercise Science Arizona State University, Tempe, Arizona | 1990-1992 |

SPECIAL HONORS, AWARDS, RECOGNITIONS & APPOINTMENTS

1997 - Recipient of the **Louise E. Kindig Research Award**. This competitive award is given every two years by the School of Health and Human Performance at the University of Georgia to recognize outstanding research by a graduate student.

1997 - Recipient of an American Pain Society **Young Investigators Award** for travel support to New Orleans, Louisiana. This award is given to young investigators presenting original research at the American Pain Society's national conference.

2003 - Recipient of the American Association for Chronic Fatigue Syndrome **Junior Investigator Award**. This award recognizes outstanding research by young investigators in the field of Chronic Fatigue and Fibromyalgia Syndrome Research.

2003 - Recipient of an American Pain Society's **Young Investigator Travel Support Award** for the annual meeting in Chicago, Illinois. This award is given to young investigators presenting original research at the American Pain Society's national conference.

2004 - Recipient of the **New Investigator Award** for the American College of Sports Medicine. This annual award is given to the exercise science or sports medicine researcher who has made, and who is likely to continue to make, significant contributions to knowledge in basic or clinical exercise science or sports medicine.

2007 – **Certificate of Recognition** from the Department of Veterans Affairs of the State of Wisconsin for research into “Gulf Veterans and Pain”. Presented at the Wisconsin Department of Veterans Affairs Gulf War Illnesses Conference, Madison, WI.

2008 – Achievement of **Fellowship** in the American College of Sports Medicine (FACSM). This is a prestigious distinction in the College and signifies meritorious career contributions to ACSM.

2010 - **Appointment** to the Chronic Fatigue Syndrome Advisory Committee (CFSAC), a Federal Advisory Committee of the Department of Health and Human Services

2011 – Department of Veterans Affairs **Service Award** in recognition of 10 years of dedicated service to the United States Government

2012 – **Honored Instructor Award**, University Housing, University of Wisconsin-Madison. Recognized by students living in University Housing and given in recognition of invaluable contribution to student learning.

2014 – **Renewal of Appointment** to the Chronic Fatigue Syndrome Advisory Committee (CFSAC), a Federal Advisory Committee of the Department of Health and Human Services

2015 – Named **Director** of the Department of Kinesiology **Marsh Center** – A center established by Virginia F. Harrison-Marsh and William Hector Marsh to recognize and promote research examining the contributions of physical activity, exercise and movement to enhancing human health and well-being

2015 – 2018 Invited to be an **Associate Editor** for the *Translational Journal of the American College of Sports Medicine*

2015 – Elected as **Fellow** in the *Academy of Behavioral Medicine Research* in recognition of scientific productivity, excellence and recognition of research accomplishments.

2016 – Department of Veterans Affairs **Service Award** in recognition of 15 years of dedicated service excellence to the United States Government

2017 – Invited to give the 2016 **Clifford Lewis Lecture** in the Department of Kinesiology at the University of Georgia, Athens GA. This is an endowed lecture that is given each year by a kinesiology scholar in honor of Dr. Clifford Lewis.

2017 – Appointed to the **Office of the Vice Chancellor for Research and Graduate Education – Research Committee** (Fall Competition)

2018 – Received the **2018 UW-Madison Postdoctoral Mentor Award** from the UW-Madison Postdoctoral Association in recognition of “excellence, innovation, and effectiveness in the mentoring of UW-Madison postdocs.”

2018 – Appointed to the Department of Veterans Affairs (VA) Joint Biomedical Laboratory Research and Development (BLR&D) and Clinical Science Research and Development (CSR&D) Services Scientific Merit Review Board – **Subcommittee for Special Emphasis – Gulf War Veterans' Illnesses**

2018 – Appointed to the William S. Middleton Memorial Veterans Hospital **Research and Development (R&D) Committee.**

2018 – Invited to serve on the **National Institute of Neurological Disorders and Stroke, Advisory Council for ME/CFS** - A Working Group dedicated to making research recommendations.

2018 – Appointed to Cross-Campus Human Research Protection Program Advisory Committee

RESEARCH AND PUBLICATIONS

1. Segura Jimenez V, LD Ellingson, **DB Cook**. (In Preparation). Association of sedentary time and physical activity with gray matter in women with fibromyalgia.
2. **Cook, DB**, B.H. Natelson & F. Togo. (In Preparation). Cardiovascular Response to Orthostatic Challenge Before and After Strenuous Exercise in Chronic Fatigue Syndrome with or without Coexisting Fibromyalgia.
3. Lindheimer, JB, **DB Cook**, JC Klein-Adams, W Qan, HZ Hill, G Lange, DS Ndirangu, GR Wylie, MJ Falvo (In Review). Depth and frequency of breathing are altered during maximal cardiopulmonary exercise in veterans with Gulf War Illness. *British Journal of Sports Medicine*
4. Meyer J, K Crombie, **DB Cook**, CJ Hillard, K Koltyn (In Review). Relationships between mood and endocannabinoid responses to acute exercise in major depression. *Psychoneuroendocrinology*
5. Alaedini, A, S Shukla, **DB Cook**. (In Preparation). Gastrointestinal Dysfunction and Systemic Immune Responses to Antigen Translocation in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome.
6. RJ Dougherty; E Boots; J Lindheimer; AJ Stegner; S Van Riper; DF Edwards; C Gallagher; C Carlsson; H Rowley; B Bendlin; S Asthana; B Hermann; M Sager; S Johnson; O Okonkwo; **DB Cook** (In Revision). Fitness, independent of physical activity is associated with cerebral blood flow in adults at risk for Alzheimer's disease. *Brain Imaging and Behavior*
7. VanRiper, S, A.L. Alexander, K.F. Koltyn, A.J. Stegner, L.D. Ellingson, D.J. Destiche, R.J. Dougherty, J.B. Lindheimer, **D.B. Cook** (In Revision). Physical Activity, Mood Symptoms, and White Matter Integrity in Gulf War Veterans with Chronic Pain. *Pain*
8. Lindheimer, J., J.D. Meyer, R. J. Dougherty, M.R. Shields, L.D. Ellingson, A.J. Stegner & **D.B. Cook** (In Revision). The influence of pain anticipation on brain activity and nocebo hyperalgesia in Gulf War Veterans with chronic musculoskeletal pain. *Psychosomatic Medicine*

9. Klaren RE, **D.B. Cook** DB & R.W. Motl (In Submission). Do persons with multiple sclerosis accurately perceive effort during exercise?
10. Law, L.L., K.E. Sprecher, G. Ennis, R.J. Dougherty, D.F. Edwards, R.L. Kosciak, C.L. Gallagher, C.M. Carlsson, H. Zetterberg, K. Blennow, S. Asthana, M.A. Sager, B.P. Hermann, S.C. Johnson, **D.B. Cook**, B.B. Bendlin, O.C. Okonkwo (In Press). Cardiorespiratory fitness attenuates adverse influence of poor sleep on CSF biomarkers in an at-risk cohort. *Journal of Alzheimer's Disease*
11. Wylie, G, H Gevova, E Dobryakova, J Deluca, N Chiaravalloti, M Falvo & **DB Cook** (In Press). Fatigue in Gulf War Illness is associated with tonically high activation in the striatum. *Neuroimage Clinical*
12. Vesperman CJ; V Pozorski; KL Yang; R Dougherty; LL; E Boots; J Oh; R Kosciak; C Gallagher; C Carlsson; H Rowley; B Bendlin; S Asthana; M Sager; S Johnson; **DB Cook**; O Okonkwo (In Press). Cardiorespiratory fitness attenuates age-associated aggregation of white matter hyperintensities: Findings from the Wisconsin Registry for Alzheimer's Prevention. *Alzheimer's Research & Therapy*
13. Trigsted, M., **D.B. Cook**, K.A. Pickett, L. Cadmus-Bertram, W.R. Dunn, D.R. Bell (In Press). Greater Fear of Reinjury is Related to Stiffened Jump-Landing Biomechanics and Muscle Activation in Women after ACL Reconstruction. *Knee Surgery, Sports Traumatology, Arthroscopy*
14. Law LL, Rol RN, Schultz SA, Dougherty RJ, Edwards DF, Kosciak RL, Gallagher CL, Carlsson CM, Bendlin BB, Zetterberg H, Blennow K, Asthana S, Sager MA, Hermann BP, Johnson SC, **Cook DB**, Okonkwo OC. Moderate intensity physical activity associates with CSF biomarkers in a cohort at risk for Alzheimer's disease. *Alzheimers Dement: Diag, Assess Dis Mon (Amst)*. 2018 Feb 6;10:188-195. doi: 10.1016/j.dadm.2018.01.001. eCollection 2018. PubMed PMID: 29527551; PubMed Central PMCID: PMC5842318.
15. Ellingson LD, Stegner AJ, Schwabacher IJ, Lindheimer JB, **Cook DB**. Catastrophizing Interferes with Cognitive Modulation of Pain in Women with Fibromyalgia. *Pain Med*. 2018 Feb 21. doi: 10.1093/pm/pny008. [Epub ahead of print] PubMed PMID: 29474665.
16. Dougherty RJ, Lindheimer JB, Stegner AJ, Van Riper S, Okonkwo OC, **Cook DB**. An Objective Method to Accurately Measure Cardiorespiratory Fitness in Older Adults Who Cannot Satisfy Widely Used Oxygen Consumption Criteria. *J Alzheimers Dis*. 2018;61(2):601-611. doi: 10.3233/JAD-170576. PubMed PMID: 29226867; PubMed Central PMCID: PMC5745283.
17. Kuenze C, Cadmus-Bertram L, Pfeiffer K, Trigsted S, **Cook DB**, Lisee C, Bell D. Relationship Between Physical Activity and Clinical Outcomes after ACL Reconstruction. *J Sport Rehabil*. 2017 Nov 15:1-26. doi: 10.1123/jsr.2017-0186. [Epub ahead of print] PubMed PMID: 29140161.
18. Lindheimer, J., J.D. Meyer, R. J. Dougherty, M.R. Shields, L.D. Ellingson, A.J. Stegner & **D.B. Cook** (2017). Post-exertion malaise: Variability of symptoms across two studies of chronic fatigue syndrome patients. *Fatigue, Biomedicine & Behavior*

19. Dougherty RJ, Schultz SA, Kirby TK, Boots EA, Oh JM, Edwards D, Gallagher CL, Carlsson CM, Bendlin BB, Asthana S, Sager MA, Hermann BP, Christian BT, Johnson SC, **Cook DB**, Okonkwo OC. Moderate Physical Activity is Associated with Cerebral Glucose Metabolism in Adults at Risk for Alzheimer's Disease. *J Alzheimers Dis.* 2017;58(4):1089-1097. doi: 10.3233/JAD-161067. PubMed PMID: 28527205; PubMed Central PMCID: PMC5703045.
20. Van Riper SM, Alexander AL, Koltyn KF, Stegner AJ, Ellingson LD, Destiche DJ, Dougherty RJ, Lindheimer JB, **Cook DB**. Cerebral white matter structure is disrupted in Gulf War Veterans with chronic musculoskeletal pain. *Pain.* 2017 Dec;158(12):2364-2375. doi: 10.1097/j.pain.0000000000001038. PubMed PMID: 28796115.
21. Shields MR, Brooks MA, Koltyn KF, Kim JS, **Cook DB**. Cognitive Resilience and Psychological Responses across a Collegiate Rowing Season. *Med Sci Sports Exerc.* 2017 Nov;49(11):2276-2285. doi: 10.1249/MSS.0000000000001363. PubMed PMID: 28682806.
22. McDowell CP, **Cook DB**, Herring MP. The Effects of Exercise Training on Anxiety in Fibromyalgia Patients: A Meta-analysis. *Med Sci Sports Exerc.* 2017 Sep;49(9):1868-1876. doi: 10.1249/MSS.0000000000001290. PubMed PMID: 28419024.
23. **Cook DB**, Light AR, Light KC, Broderick G, Shields MR, Dougherty RJ, Meyer JD, VanRiper S, Stegner AJ, Ellingson LD, Vernon SD. Neural consequences of post-exertion malaise in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *Brain Behav Immun.* 2017 May;62:87-99. doi: 10.1016/j.bbi.2017.02.009. Epub 2017 Feb 17. PubMed PMID: 28216087.
24. Schultz SA, Boots EA, Darst BF, Zetterberg H, Blennow K, Edwards DF, Kosciak RL, Carlsson CM, Gallagher CL, Bendlin BB, Asthana S, Sager MA, Hogan KJ, Hermann BP, **Cook DB**, Johnson SC, Engelman CD, Okonkwo OC. Cardiorespiratory fitness alters the influence of a polygenic risk score on biomarkers of AD. *Neurology.* 2017 Apr 25;88(17):1650-1658. doi: 10.1212/WNL.0000000000003862. Epub 2017 Mar 24. PubMed PMID: 28341646; PubMed Central PMCID: PMC5405766.
25. Bell DR, Pfeiffer KA, Cadmus-Bertram LA, Trigsted SM, Kelly A, Post EG, Hart JM, **Cook DB**, Dunn WR, Kuenze C. Objectively Measured Physical Activity in Patients After Anterior Cruciate Ligament Reconstruction. *Am J Sports Med.* 2017 Jul;45(8):1893-1900. doi: 10.1177/0363546517698940. Epub 2017 Apr 18. PubMed PMID: 28419817; PubMed Central PMCID: PMC5586218.
26. Dougherty RJ, Schultz SA, Boots EA, Ellingson LD, Meyer JD, Van Riper S, Stegner AJ, Edwards DF, Oh JM, Einerson J, Korcarz CE, Kosciak RL, Dowling MN, Gallagher CL, Carlsson CM, Rowley HA, Bendlin BB, Asthana S, Hermann BP, Sager MA, Stein JH, Johnson SC, Okonkwo OC, **Cook DB**. Relationships between cardiorespiratory fitness, hippocampal volume, and episodic memory in a population at risk for Alzheimer's disease. *Brain Behav.* 2017 Feb 17;7(3):e00625. doi: 10.1002/brb3.625. eCollection 2017 Mar. PubMed PMID: 28293467; PubMed Central PMCID: PMC5346514.

27. Brellenthin AG, Crombie KM, **Cook DB**, Sehgal N, Koltyn KF. Psychosocial Influences on Exercise-Induced Hypoalgesia. *Pain Med.* 2017 Mar 1;18(3):538-550. doi: 10.1093/pm/pnw275. PubMed PMID: 28034985.
28. Law LL, Schultz SA, Boots EA, Einerson JA, Dougherty RJ, Oh JM, Korcarz CE, Edwards DF, Kosciak RL, Dowling NM, Gallagher CL, Bendlin BB, Carlsson CM, Asthana S, Hermann BP, Sager MA, Johnson SC, **Cook DB**, Stein JH, Okonkwo OC. Chronotropic Response and Cognitive Function in a Cohort at Risk for Alzheimer's Disease. *J Alzheimers Dis.* 2017;56(1):351-359. doi: 10.3233/JAD-160642. PubMed PMID: 27911299; PubMed Central PMCID: PMC5235963.
29. Meyer JD, Koltyn KF, Stegner AJ, Kim JS, **Cook DB**. Relationships between serum BDNF and the antidepressant effect of acute exercise in depressed women. *Psychoneuroendocrinology.* 2016 Dec;74:286-294. doi: 10.1016/j.psyneuen.2016.09.022. Epub 2016 Sep 28. PubMed PMID: 27697714.
30. Janal MN, Raphael KG, **Cook DB**, Sirois DA, Nemelivsky L, Staud R. Thermal temporal summation and decay of after-sensations in temporomandibular myofascial pain patients with and without comorbid fibromyalgia. *J Pain Res.* 2016 Sep 12;9:641-52. doi: 10.2147/JPR.S109038. eCollection 2016. PubMed PMID: 27672341; PubMed Central PMCID: PMC5026221.
31. Ellingson LD, Stegner AJ, Schwabacher IJ, Koltyn KF, **Cook DB**. Exercise Strengthens Central Nervous System Modulation of Pain in Fibromyalgia. *Brain Sci.* 2016 Feb 26;6(1). pii: E8. doi: 10.3390/brainsci6010008. PubMed PMID: 26927193; PubMed Central PMCID: PMC4810178.
32. Meyer JD, Ellingson LD, Koltyn KF, Stegner AJ, Kim JS, **Cook DB**. Psychobiological Responses to Preferred and Prescribed Intensity Exercise in Major Depressive Disorder. *Med Sci Sports Exerc.* 2016 Nov;48(11):2207-2215. PubMed PMID: 27387295.
33. Dougherty RJ, Ellingson LD, Schultz SA, Boots EA, Meyer JD, Lindheimer JB, Van Riper S, Stegner AJ, Edwards DF, Oh JM, Kosciak RL, Dowling MN, Gallagher CL, Carlsson CM, Rowley HA, Bendlin BB, Asthana S, Hermann BP, Sager MA, Johnson SC, Okonkwo OC, **Cook DB**. Meeting physical activity recommendations may be protective against temporal lobe atrophy in older adults at risk for Alzheimer's disease. *Alzheimers Dement (Amst).* 2016 Apr 9;4:14-7. doi: 10.1016/j.dadm.2016.03.005. eCollection 2016. PubMed PMID: 27489874; PubMed Central PMCID: PMC4950614.
34. Ellingson LD, Meyer JD, **Cook DB**. Wearable technology reduces prolonged bouts of sedentary behavior. *Translational journal of the American College of Sports Medicine.* 2016; 1(2):10-17.
35. Meyer JD, Koltyn KF, Stegner AJ, Kim JS, **Cook DB**. Influence of Exercise Intensity for Improving Depressed Mood in Depression: A Dose-Response Study. *Behav Ther.* 2016 Jul;47(4):527-37. doi: 10.1016/j.beth.2016.04.003. Epub 2016 Apr 27. PubMed PMID: 27423168.

36. Ellingson LD, Schwabacher IJ, Kim Y, Welk GJ, **Cook DB**. Validity of an Integrative Method for Processing Physical Activity Data. *Med Sci Sports Exerc*. 2016 Aug;48(8):1629-38. doi: 10.1249/MSS.0000000000000915. PubMed PMID: 27015380.
37. Zgierska AE, Burzinski CA, Cox J, Kloke J, Stegner A, **Cook DB**, Singles J, Mirgain S, Coe CL, Bačkonja M. Mindfulness Meditation and Cognitive Behavioral Therapy Intervention Reduces Pain Severity and Sensitivity in Opioid-Treated Chronic Low Back Pain: Pilot Findings from a Randomized Controlled Trial. *Pain Med*. 2016 Oct;17(10):1865-1881. Epub 2016 Mar 10. PubMed PMID: 26968850; PubMed Central PMCID: PMC5063022.
38. Zgierska AE, Burzinski CA, Cox J, Kloke J, Singles J, Mirgain S, Stegner A, **Cook DB**, Bačkonja M. Mindfulness Meditation-Based Intervention Is Feasible, Acceptable, and Safe for Chronic Low Back Pain Requiring Long-Term Daily Opioid Therapy. *J Altern Complement Med*. 2016 Aug;22(8):610-20. doi: 10.1089/acm.2015.0314. Epub 2016 Jun 7. PubMed PMID: 27267151; PubMed Central PMCID: PMC4991566.
39. Shukla SK, **Cook DB**, Meyer J, Vernon SD, Le T, Clevidence D, Robertson CE, Schrodi SJ, Yale S, Frank DN. Changes in Gut and Plasma Microbiome following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS). *PLoS One*. 2015 Dec 18;10(12):e0145453. doi: 10.1371/journal.pone.0145453. eCollection 2015. PubMed PMID: 26683192; PubMed Central PMCID: PMC4684203.
40. Ellingson, L.D. & **D.B. Cook** (2015). The Hypoalgesic Effects of Exercise: Characteristics, Mechanisms, and Implications for Chronic Pain. In *Musculoskeletal Pain – Basic Mechanisms and Implications*. Thomas Graven-Nielsen and Lars Arendt Nielsen (Eds.) IASP Press.
41. Boots EA, Schultz SA, Oh JM, Larson J, Edwards D, **Cook DB**, Kosciak RL, Dowling MN, Gallagher CL, Carlsson CM, Rowley HA, Bendlin BB, LaRue A, Asthana S, Hermann BP, Sager MA, Johnson SC, Okonkwo OC. Cardiorespiratory fitness is associated with brain structure, cognition, and mood in a middle-aged cohort at risk for Alzheimer's disease. *Brain Imaging Behav*. 2015 Sep;9(3):639-49. doi: 10.1007/s11682-014-9325-9. PubMed PMID: 25319359; PubMed Central PMCID: PMC4400225.
42. Koltyn KF, Brellenthin AG, **Cook DB**, Sehgal N, Hillard C. Mechanisms of exercise-induced hypoalgesia. *J Pain*. 2014 Dec;15(12):1294-1304. doi: 10.1016/j.jpain.2014.09.006. PubMed PMID: 25261342; PubMed Central PMCID: PMC4302052.
43. Okonkwo OC, Schultz SA, Oh JM, Larson J, Edwards D, **Cook DB**, Kosciak R, Gallagher CL, Dowling NM, Carlsson CM, Bendlin BB, LaRue A, Rowley HA, Christian BT, Asthana S, Hermann BP, Johnson SC, Sager MA. Physical activity attenuates age-related biomarker alterations in preclinical AD. *Neurology*. 2014 Nov 4;83(19):1753-60. doi: 10.1212/WNL.0000000000000964. Epub 2014 Oct 8. Erratum in: *Neurology*. 2015 Mar 3;84(9):963. PubMed PMID: 25298312; PubMed Central PMCID: PMC4239838.
44. Ellingson, L.D., K.F. Koltyn, J-S Kim & **D.B. Cook** (2014). Does Exercise Induce Hypoalgesia through Conditioned Pain Modulation? *Psychophysiology*. 51(3): 267-276.

45. Ellingson, L.D., A.E. Kuffel, N.J. Vack & **D.B. Cook** (2014). Active and sedentary behaviors influence feelings of energy and fatigue in women. *Medicine and Science in Sports and Exercise*. 46(1): 192-200.
46. Nakamura, T., S. Schwander, R. Donnelly, **D. B. Cook**, F. Ortega, F. Togo, Y. Yamamoto, N.S. Cherniack, M. Klapholz, D. Rapoport & B.H. Natelson (2013). Exercise and sleep deprivation do not change cytokine expression levels in patients with chronic fatigue syndrome. *Clinical and Vaccine Immunology*. 20(11): 1736-1742.
47. Kishi, A., F. Togo, **D.B. Cook**, M. Klapholz, Y. Yamamoto, D.M. Rapoport, & B.H. Natelson (2013). The Effects of Exercise on Dynamic Sleep Morphology in Healthy Controls and Patients with Chronic Fatigue Syndrome. *Physiological Reports*. 1(6): 1-14.
48. Meyer, J.D., A.R. Light, S. Shukla, D. Clevidence, S. Yale, A. Stegner & **D.B. Cook** (2013). Post-exertion malaise in chronic fatigue syndrome: symptoms and gene expression. *Fatigue: Biomedicine, Health & Behavior*. 1(4) 190-209.
49. Stegner, A.J., M.R. Shields, J.D. Meyer & **D.B. Cook** (2013). Effect of acute and chronic physical activity on chronic pain. In: Handbook of Physical Activity and Mental Health. Panteleimon Ekkekakis (Ed.). Section 7: Pain, Chapter 27. Routledge Publishers Inc.
50. Ellingson, L.D. & **D.B. Cook** (2013). Physical activity and pain: Neurobiological mechanisms. In: Handbook of Physical Activity and Mental Health. Panteleimon Ekkekakis (Ed.). Section 7: Pain, Chapter 28. Routledge Publishers Inc.
51. Ellingson L.D., L.H. Colbert & **D.B. Cook** (2012). Physical activity is related to pain sensitivity in healthy women. *Medicine and Science in Sports and Exercise*. 44(7): 1401-1406.
52. **Cook, D.B.**, A.J. Stegner, P.R. Nagelkirk, J.D. Meyer^a, F. Togo^d & B. H. Natelson (2012). Responses to exercise differ for chronic fatigue syndrome patients with fibromyalgia. *Medicine and Science in Sports and Exercise*. 44(6): 1186-1193.
53. Ellingson L.D., M.R. Shields, A.J. Stegner & **D.B. Cook** (2012). Physical activity, sustained sedentary behavior and pain modulation in women with fibromyalgia. *Journal of Pain*. 13(2): 195-206.
54. Jason, L.A., B. Unger, J. Dimitrakoff, A. Fagin, M. Houghton, **D.B. Cook**, G.D. Marshall Jr., N. Klimas & C. Snell (2012). Minimal data elements for research reports on CFS. *Brain Behavior and Immunity*. 26(3): 401-406.
55. Newcomb, L., K.F. Koltyn, W.P. Morgan & **D.B. Cook** (2011). The influence of a preferred versus a prescribed exercise session on pain in women with fibromyalgia. *Medicine and Science in Sports and Exercise*. 43(6): 1106-1113.
56. McLoughlin, M.J., A.J. Stegner & **D.B. Cook** (2011). The relationship between physical activity and brain responses to pain in women with fibromyalgia. *Journal of Pain*. 12(6): 640-651.
57. J.L. Wilbarger, & **D.B. Cook**. (2011). Multisensory hypersensitivity in women with fibromyalgia: Implications for well-being and intervention. *Archives of PM&R*. 92: 653-656.

58. McLoughlin, M.J., L.H. Colbert & **D.B. Cook** (2011). Are women with fibromyalgia less physically active than healthy women? *Medicine and Science in Sports and Exercise*. 43(5): 905-912.
59. Lange, G., M. Janal, A. Maniker, J. FitzGibbons, M. Fobler, **D.B. Cook** & B. H. Natelson (2011). Safety and efficacy of vagus nerve stimulation in Fibromyalgia: A Phase I/II proof of concept trial. *Pain Medicine*, 12: 1406-1413.
60. Smith J.C., E.S. Paulson, **D.B. Cook**, M.D. Verber, & Q. Tian (2010). Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. *Journal of Neuroscience Methods* 191: 258-262.
61. **Cook, D.B.**, A.J. Stegner & L.D. Ellingson (2010). Exercise alters pain sensitivity in Gulf War Veterans with chronic musculoskeletal pain. *Journal of Pain* 11(8): 764-772.
62. Togo, F., B.H. Natelson, N.S. Cherniack, M. Klapholz, D.M. Rapoport, & **D.B. Cook** (2010). Sleep is not disrupted by exercise in patients with chronic fatigue syndrome. *Medicine and Science in Sports and Exercise* 42 (1): 16-22.
63. Raphael, K.G., M.N. Janal, S. Ananthan, **D.B. Cook** & R. Staud (2008). Temporal summation of heat pain in temporomandibular disorder patients. *Journal of Orofacial Pain* 23: 54-64.
64. Snook, E.M., R.C. Gliottoni,, R.W. Motl, **D.B. Cook**, & P.J. O'Connor (2008). Pain and physical activity in women with MS: Differential pattern of relationships with objective and self-report measures of physical activity. In: Exercise and Women's Health Research. Laura A. Charlington (Ed.). Chapter 4, pp. 99-112. Nova Science Publishers Inc.
65. Yoshiuchi, K., **D.B. Cook**, K. Ohashi, H. Kumano, T. Kuboki, Y. Yamamoto, & B.H. Natelson (2007). A real-time assessment of the effect of exercise in chronic fatigue syndrome. *Physiology and Behavior* 92: 963-968.
66. **Cook, D.B.**, P.J. O'Connor, J.Steffener & G. Lange (2007). Functional neuroimaging correlates of mental fatigue induced by cognition among chronic fatigue syndrome patients and controls. *Neuroimage* 36: 108-122.
67. **Cook, D.B.**, A.J. Stegner & M. McLoughlin (2007). Functional neuroimaging of fibromyalgia. *Current Pain and Headache Reports* 11: 190-200.
68. **Cook, D.B.**, P.R. Nagelkirk, A. Poluri, J. Mores, & B.H. Natelson (2006). The influence of aerobic fitness and fibromyalgia on cardiorespiratory and perceptual responses to exercise in patients with chronic fatigue syndrome. *Arthritis and Rheumatism* 54: 3351-3362.
69. **Cook, D.B.** (2006). Physical activity and pain. In: Psychobiology of Exercise and Sport. Acevedo and Ekkakis (Eds). Chapter 14, pp. 203-217, Human Kinetics, Champaign, IL.
70. **Cook, D.B.** and J.M. Davis (2006). Mental energy: Defining the science. *Nutrition Reviews*, July 2006, (II) Supplement: S1.
71. Smith, J.C. & **D.B. Cook** (2005). Methodology in psychophysiological studies: Applications to physical activity. In: Special Issue, "Five Decades of Sport and Exercise Psychology: A

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RESEARCH SUPPORT

Extramural Research Support

2018-2023 – “**Acute exercise tolerance among Veterans with Gulf War Illness: A dose-response study**”

- Role: Primary Mentor (Applicant: Jacob Lindheimer)
- Funding Source: Department of Veterans Affairs, CSR&D, Career Development Award (CDA)
- Goals: To determine the relationships between exercise dose and symptoms and immune system responses in Gulf War Veterans with Gulf War illness.

2018-2022 – “**Examination of Cognitive Fatigue in Gulf War Illness using Functional Magnetic Resonance Imaging**” Renewal of Glenn Wylie’s Merit Review.

- Role: Co-I (PI Wylie)
- Funding Source: Department of Veterans Affairs
- Goals: To determine the interactions among physical and cognitive fatigue in Veterans with Gulf War illness.

2018-220 “Longitudinal Assessment of Physical Activity, Cerebral Glucose Metabolism, and Cognitive Function in an At-risk Cohort”

- Role Co-Mentor (with Okonkwo)
- NIH (NIA) 1F31AG062009-01
- Total Direct Costs: \$63,226
- Major Goals: This project seeks to determine the roles of physical activity and fitness on cerebral glucose metabolism in adults at-risk for Alzheimer’s disease.

2017-2019: “Examining the gut microbiota in Veterans with Gulf War illness”

- Role: Co-I (PI Safdar)
 - Funding Source: Department of Veterans Affairs Merit Review - VA-Office of Research and Development: IO1 CX-001574
- Total Direct Costs: \$300,000
- Major Goals: To comprehensively determine gut microbiota structure and function in Veterans with Gulf War illness.

2016-2020: “Post-exertion malaise in GWI: Brain, autonomic and behavioral interactions”

- Role: PI
- Funding Source: Department of Veterans Affairs Merit Review (CSR&D: IO1 CX0011329-01)
- Total Direct Costs: \$2,140,000
- Major Goals: This multi-site project (New Jersey War Related Illness and Injury Study Center) will determine the impact of acute exercise on brain function, autonomic and immune function and whether these systems interact to produce symptoms in Gulf War Veterans with Gulf War Illness.

2011-2017: “Impact of exercise training on pain and brain function in Gulf War Veterans”

- Role: PI
- Funding Source: Department of Veterans Affairs Merit Review (Mental Health and Behavior Science section: IO1 CX000383-05)
- Total Direct Costs: \$1,300,000
- Major Goals: To determine the influence of resistance exercise training on symptoms, physical activity and brain structure & function in GVs with chronic muscle pain (CMP)

2014-2016: “Aerobic exercise for AD prevention in at-risk middle-aged adults”

- Role: Co-I (Okonkwo: PI)
- Funding Source: Alzheimer’s Association International Research Grant Program
- Total Direct Costs: \$100,000
- Major Goals: To determine the feasibility and effectiveness of an aerobic exercise intervention among asymptomatic, middle-aged adults with a family history of AD. Main outcomes will include adherence and AD-relevant outcomes such as glucose metabolism and cognition

2013-2017: “Examination of Cognitive Fatigue in Gulf War Illness using Functional Magnetic

Resonance Imaging"

- Role: Co-I (Wylie: PI)
- Funding Source: Department of Veterans Affairs Merit Review (CSR&D)
- Total Direct Costs: \$761,222
- Effort: 1.2 calendar months2 cal mo
- Major Goals: This project seeks to ascertain the changes in the brain that are associated with cognitive fatigue in Gulf War Illness.

2012-2014: "Post-exertion malaise in CFS: A systems biology approach to understanding brain, inflammation and behavior interactions"

- Role: PI
- Funding Source: The Chronic Fatigue and Immune Dysfunction Syndrome (CFIDS) Association of America
- Total Direct Costs: \$150,000
- Major Goals: To determine the interactions between brain responses, inflammatory responses and symptoms in chronic fatigue syndrome patients pre- and post-exercise

2013-2014: "Quantifying and Reducing Sedentary Time in College Students"

- Role: PI
- Funding Source: American College of Sports Medicine – Paffenbarger-Blair Fund for Epidemiological Research on Physical Activity
- Total Direct Costs: \$10,000
- Major Goals: To determine the efficacy of VibroTactile feedback on sedentary and physical activity behaviors in college men and women

2011-2012: "Integrative Physiology of Gulf War Illness: Role of Autonomic Function, Central Neural Processing, and Sleep"

- Role: Co-PI (Madison site)
- Funding Source: Department of Defense (CDMRP)
- Total Direct Costs: \$254,600 (\$12,000 for Madison subcontract)
- Major Goals: To take an integrative treatment approach to characterizing the pathophysiology of Gulf War Illness and its' responsiveness to standard and novel treatment -Roles: Co-Investigator of planning grant and PI of the UW-Madison site. Charged with design of the exercise training and functional brain imaging protocols

2010 – 2013: "Homeostatic and Circadian Abnormalities in Sleep and Arousal in Gulf War Syndrome"

- Role: Co-I (PI: Juergens)
- Funding Source: Dept. of Defense (CDMRP)
- Total Direct Costs: \$480,00
- Major Goals: To determine whether abnormalities in homeostatic and circadian systems of sleep and arousal, are an intrinsic issue or secondary to other changes in Gulf War Veterans with chronic fatigue

2010 – 2012: "Attenuation of Pain in Men and Women: Mechanisms of Exercise-Induced Analgesia"

- Role: Co-I (PI: Koltyn)

- Funding Source: National Institutes of Health (R21)
- Total Direct Costs: \$250,000
- Major Goals: To determine whether differences in pain sensitivity are due to underlying sex differences in pain modulatory systems

2009-2011: **“Metagenomics approach to study chronic fatigue syndrome patients”**

- Role: Co-PI (Madison Site)
- Funding Source: The Chronic Fatigue and Immune Dysfunction Syndrome (CFIDS) Association of America
- Total Direct Costs: \$125,000
- Major Goals: To use metagenomics to determine the intestinal microbiota communities in CFS patients and controls prior to and following maximal exercise

2008-2012: **“Imaging pain modulation in Gulf War veterans with chronic muscle pain”**

- Role: PI
- Funding Source: Department of Veterans Affairs Merit Review (Mental Health and Behavior Science section)
- Total Direct Costs: \$942,000
- Major Goals: To determine the psychophysical and neural aspects of pain modulation in GVs with chronic muscle pain (CMP) and test whether central nervous system modulation of pain is impaired in widespread CMP versus both a regional pain group and healthy veteran controls

2005-2010: **“Imaging the cognitive modulation of pain in Fibromyalgia”**

- Role: PI
- Funding Source: National Institutes of Health (R01: NIAMS)
- Total Direct Costs: \$1,125,000
- Major Goals: To determine the psychophysical and neural aspects of pain modulation in fibromyalgia and test whether central nervous system modulation of pain is impaired in unexplained pain (FM) versus both an explained pain group (rheumatoid arthritis patients) and healthy controls

2005-2008: **“Vagal nerve stimulation in fibromyalgia”**

- Role: Consultant (PI: Lange)
- Funding Source: National Institutes of Health (R01)
- Total Direct Costs: \$1,298,460
- Major Goals: To test the efficacy, safety and tolerability of the NCP vagal nerve stimulation system for the treatment of pain in patients with severe fibromyalgia with and without depression.

2005-2008: “Functional imaging of pain in Gulf Veterans with medically unexplained musculoskeletal pain”

- Role: PI
- Funding Source: Department of Veterans Affairs Merit Review
- Total Direct Costs: \$358,500
- Major Goals: To determine the psychophysical and neurophysiological aspects of pain in Gulf Veterans suffering from moderate to severe musculoskeletal pain as compared to veterans with rheumatoid arthritis and healthy veteran controls

2004 – 2008: “Sleep and cytokines in Chronic Fatigue Syndrome”

- Role: Co-I (PI: Natelson)
- Funding Source: National Institutes of Health (R01)
- Total Direct Costs: \$2,577,396
- Major Goals: To examine the effect of disturbed sleep on sleep disrupting and sleep promoting cytokines prior to and following a maximal exercise test in patients with chronic fatigue syndrome (CFS).

2003-2004: “Functional magnetic resonance imaging correlates of fatigue symptoms in patients with chronic fatigue syndrome and normal controls”

- Role: PI
- Funding Source: International Life Science Institute (ILSI), North America’s Technical Committee on Energy
- Total Costs: \$24,500
- Goals: To study the neural representation of the subjective feelings of fatigue by determining whether the perception of fatigue is associated with certain brain regions and changes in overall brain activity during the completion of fatiguing versus non-fatiguing cognitive and physical tasks.

2001-2003: “Pain sensitivity in Gulf War veterans with medically unexplained musculoskeletal pain”

- Role: PI
- Funding Source: Department of Veterans Affairs
- Total Direct Costs: \$100,000
- Major Goals: To examine muscle pain, exercise-induced analgesia and the immune system in Gulf War veterans with medically unexplained pain.

1999-2003: “A neurophysiological assessment of pain perception in patients with fibromyalgia”

- Role: Co-I (PI: Ciccone)
- Funding Source: National Institutes of Health pilot project

- Major Goals: To determine the perceptual and central nervous system responses to pain in fibromyalgia subjects and healthy controls using functional magnetic resonance imaging (fMRI).

1999-2003: **“Renewal of the New Jersey Chronic Fatigue Syndrome and Fibromyalgia Cooperative Research Center (NJCFMFMCRC)”**

- Role: Co-I (2002-2004) (PI: Natelson)
- Funding Source: National Institutes of Health (U01)
- Total Direct Costs: \$2,437,716
- Major Goals: To determine the pathophysiology of chronic fatigue syndrome (CFS) and fibromyalgia (FM)

Intramural Research Support

2018 – 2019: **“Longitudinal Assessment of Physical Activity and AD Biomarkers in an At-risk Cohort”**

- Role: Co-I
- Funding Source: UW – Madison Biological Sciences Fall Competition grants
- Total Costs: \$86,722
- Goals: To begin to more definitely assess the extent to which a physically-active lifestyle is efficacious at reducing the risk of AD

2018-2019: **“Structural Neuroimaging of Physical Activity Behaviors in Healthy Women”**

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$29,767
- Goals: To determine the influence of exercise intensity and BDNF on depressed mood in women with major depressive disorder.

2016: **“Human exercise research core”**

- Role: Co-I
- UW 20/20 Initiative
- Total Costs: \$300,000
- To create an exercise testing environment to promote and foster exercise research on the UW-Madison campus

2016-2017: **“Online Development of ‘Kinesiology 350: Introduction to Exercise Psychology”** was funded as part of Summer Term Special Initiatives Development Award

- Role: Instructor / PI
- Funding Source: Division of Continuing Studies (“DCS”)
- Total Costs: \$15,000
- Goals: To develop Kinesiology 350: Introduction to Exercise Psychology into an online course to be delivered during Summer Term starting in 2018.

2014-2016: “Physical activity, exercise and BDNF in depressed women”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$32,217
- Goals: To determine the influence of exercise intensity and BDNF on depressed mood in women with major depressive disorder.

2014-2015: Sequestration Bridge Funding

- Role: PI
- Funding Source: School of Education
- Total Costs: \$50,000
- Goals: To provide bridge funding during difficult funding climate.

2013-2015: “Thinking like a girl: Characterizing cognition and mood across a competitive season in female student-athletes”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$34,960
- Goals: To determine the changes in cognition and mood in female rowers across a competitive season as training volumes increase and then recover.

2013-2015: “The relationship between exercise intensity and depressed mood in major depression”

- Role: PI
- Funding Source: Graduate School Fall Competition
- Total Costs: \$19,300
- Goals: To systematically investigate the relationship between acute exercise intensity and depressed mood in MDD while testing one plausible biological mechanism of this effect (BDNF).

2011-2012: “Novel mechanisms of exercise-induced muscle pain in women: acute exercise responses and adaptations to training”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$25,810
- Goals: To determine the influence of resistance exercise on muscle pain and mRNA for receptors on leukocytes and their adaptations to training in weight-training naïve college-aged women

2010 – 2011: “Using a Metagenomic Approach to Investigate Microbiological Markers of Chronic Fatigue Syndrome”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education

- Total Costs: \$28,780
- Goals: To determine the influence of maximal exercise on genetic markers of pain and fatigue in patients with chronic fatigue syndrome and healthy controls

2008-2010: “Functional Neuroimaging of Exercise-Induced Modulation of Pain in Women with Fibromyalgia”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$29,839
- Goals: To determine the influence of acute exercise on pain and brain responses in women with fibromyalgia (FM) using functional magnetic resonance imaging (fMRI). This grant supplemented the previous one and allowed for a greater sample size and addition of a chronic pain group.

2007-2008: “Functional Neuroimaging of Exercise-Induced Modulation of Pain in Women with Fibromyalgia”

- Role: PI
- Funding Source: Virginia Horne Henry Fund for Women’s Physical Education
- Total Costs: \$28,780
- Goals: To determine the influence of acute exercise on pain and brain responses in women with fibromyalgia (FM) using functional magnetic resonance imaging (fMRI).

Private Funding

2015-2019: Independent contract for processing and analyzing CDC exercise testing data

- Role PI
- Funding Source: Centers for Disease Control (CDC) and Prevention
- Total Costs: \$100,000
- Goals: To independently analyze exercise testing data for the chronic fatigue syndrome mutli-site case definition study – a cohort consisting of over 400 ME/CFS patients and controls

Submitted Grants and Grants in Preparation:

2018 – “**Preliminary Feasibility Trial of Meditation or Exercise for Diabetics with Depressive Symptoms (preMEDDS)**” was submitted to the National institutes of Health as an U01.

- Role: Co-I (Barrett PI)
- Funding Source: National Institutes of Health
- Major Goals: This randomized trial will assess the impact of 6 weeks of mindfulness training vs. matched exercise training vs. usual care on depressive symptoms, health behaviors, and objective markers of type 2 diabetes.

2018 – **“Longitudinal Investigation of Cardiorespiratory Fitness and AD Biomarkers in an At-risk Cohort”** submitted as an NIH RO1

- Role: Co-I (Okonkwo PI)
- Funding Source: National Institutes of Health (NIA)
- Goals: To begin to determine the causal relationships between physical activity, fitness and brain health in older adults at risk for AD

2018 – **“Longitudinal Assessment of Physical Activity, Cerebral Glucose Metabolism, and Cognitive Function in an At-risk Cohort”** was submitted as a F31 to the National Institutes of Health (NIA).

- Role Co-Sponsor of Ryan Dougherty (Okonkwo –Sponsor)
- Funding Source: National Institutes of Health (NIA)
- Goals: To investigate the longitudinal relationships between physical activity, cerebral glucose metabolism and cognitive function in adults at-risk for AD.

2017 – **“Bridging ME/CFS silos: An integrative assessment of the brain, autonomic and immune systems”** was submitted to the National institutes of Health in response to an RFA to establish Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Collaborative Research Centers.

- Role: **PI and Center Director**
- Funding Source: National Institutes of Health
- Grant Number: 1U54NS105546-01 (GRANT 12395898) Total Budget Requested: \$5,000,000.00
- Goals: The Center was designed to discover effective therapies for myalgic encephalomyelitis / chronic fatigue syndrome patients (ME/CFS) through elucidating how the brain, autonomic and immune systems interact to produce symptoms at rest and when patients attempt to be physically active

2017 – **“Wisconsin Older American Independence Center”** an NINDSP30 proposal to fund Core Facilities for Neuroscience at the University of Wisconsin via a Claude D. Pepper Older Americans Independence Centers (P30).

- Role: **PI of an External Project (EP) within the Center**
- Funding Source: National Institutes of Health (NINDS)
- Goals of the EP: To test whether measures of physical function predict pathophysiology in GWI

2017 – **“Meditation or Exercise to Prevent Acute Respiratory Infection” (MEPARI) 3”** will be submitted as a U01 application.

- Role: Co-I (PI Barrett)
- Funding Source: National Institutes of Health (NIA)

2017 - **“Brain blood flow regulation in adults with history of traumatic brain injury: a biomarker for cognitive decline?”**

- Role: Consultant (PI Barnes)
- Funding Source: Department of Defense Peer Reviewed Alzheimer’s Research Program New Investigator Research Award application titled
- Goals: This training grant is devoted to examining cerebral blood flow and cognition in traumatic brain injury

2017 – **“Mechanisms of Myofascial Pain”** will be submitted for Dr. Vivian Santiago’s application for an NIDCR Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Research Workforce (K01)

- Role: Co-Mentor (Applicant: Vivian Santiago)
- Funding Source: National Institutes of Health
- Goals: To determine the distinct mechanisms among bone, muscle and joint pain in TMJD

2017 – **“Assessing Functional Arterial Stiffness in Older Hypertensive Veterans”** was submitted as part of an application for Dr. Adam Gepner. I serve as a mentor on the CDA.

- Role: Mentor (Applicant: Adam Gepner)
- Funding Source: Department of Veterans Affairs, CSR&D, Career Development Award (CDA)
- Goals: To improve our understanding of the dynamic nature of arterial stiffness and ultimately improve hypertensive care through new treatment paradigms in the elderly

2017 – **“The Natural Progression of Instrumented Physical Activity Monitoring after ACL Reconstruction”** was resubmitted RO1 mechanism. I was a Co-I on the application.

2016 - **“The Natural Progression of Instrumented Physical Activity Monitoring after ACL Reconstruction”** was submitted to the National institutes of Health RO1 mechanism. I was a consultant on the application.

2016 – **“Reducing Fatigue in Gulf War Illness Veterans—The REFUGE Study”** was submitted as a Merit Review grant application. I was a Co-Investigator on the grant.

2014 – **“Understanding the impact of sedentary behavior in fibromyalgia”** was submitted to the National institutes of Health R21 mechanism. I was the Co-PI on the application.

2014 – **“Meditation and Cognitive Behavioral Therapy for Opioid-Treated Chronic Back Pain”** was submitted to the National institutes of Health RO1 mechanism. I was a Co-I on the application.

2014 – **“Integrative Development of Translational Endpoints in Mild Traumatic Brain Injury”** was submitted as a trauma endpoint evaluation (TED) consortium application to the Department of Defense. I was a Co-I on the application.

2014- **“Assessing Integrated Care for Veterans with Gulf War Illness”** was submitted to the VA Health Services Research and Development program. I am a Consultant on the project.

2014 – **“The Use of Exercise to Reduce Chronic Pain and Fear of Pain”** was submitted to the Keller Research Program at the University of Missouri. I am a Consultant on the project.

2013 – **“Effects of Force and Motion on Chronic Widespread Pain”** was submitted to the National institutes of Health RO3 mechanism. I was a Consultant on the project.

2013 – **“Maximizing the Effect of Exercise on Depressed Mood and BDNF in MDD”** was submitted to the National institutes of Health RO3 mechanism. I was the PI of the application.

2013 – **“Aerobic exercise for delaying Alzheimer-related changes in at-risk middle-aged adults”** was submitted for Fall Graduate School Interdisciplinary Research Proposal. I was a Co-PI on the project.

2013 – **“Aerobic Exercise for Delaying Alzheimer-Related Brain and Cognitive Changes in a Diverse Community-Based Sample of At-Risk Middle-Aged Adults”** was submitted to the Collaborative Health Sciences Program competition (UW-Madison). I was a Co-PI on the project.

2012 – **“Integrative Physiology of Gulf War Illness: Role of Autonomic Function, Central Neural Processing, and Sleep”** was submitted to the Department of Defense (DOD) Congressionally Mandated Medical Research Program (CDMRP) as one of three Consortium proposals. Jorge Serrador and Benjamin Natelson serve as Consortium PI and I serve as the neuroimaging team lead and UW-Madison site PI.

2011 – **“Epidemiology of Pediatric CFS”** was submitted to National Institutes of Health R01 mechanism. Leonard Jason was the PI and I served as a Co-Investigator.

2011 – **“Mindfulness Meditation for Refractory Chronic Low Back Pain and Opioid Use”** was submitted to the National Institutes of Health R21 mechanism. Aleksandra Zgierska is the PI and I serve as a Co-Investigator.

2011 – **“Effects of force and motion on chronic widespread pain inside and outside of the lab”** was submitted to the National Institutes of Health R03 mechanism. Erin Dannecker is the PI and I serve as a Co-Investigator.

2010 - **“Qigong for Symptom Management and Function in Veterans with Fatiguing Illnesses”** Department of Veterans Affairs Merit Review grant application. Anna Rusiewicz is the PI and I serve as a Co-Investigator for the exercise and physical activity aspects of the grant. *First round score of 214. Reviews were positive. Resubmitted. December 8, 2010.*

2009 – **“The Human Brain Connectome Project (HUBCON)”** was submitted to the NIH under the program project (P50) mechanism. Andrew Alexander and Richard Davidson are the directors and I am a co-investigator (5% effort) for the brain imaging of pain portion of the project. (Not funded)

2009 - Competitive revision of NIH R01 AR050969 titled **“Imaging the cognitive modulation of pain in fibromyalgia: impact of depression”** was submitted in response to notice # NOT-OD-09-058 under the title “NIH Announces the Availability of Recovery Act Funds for Competitive Revision Applications”. (Withdrawn due to eligibility requirements)

2009 – **“Inhibition and Facilitation of Regional and Widespread Muscle Pain”** National Institutes of Health R21 application (PI: Erin Dannecker, Co-I: Dane B. Cook). This study is intended to determine the effects of muscular contraction type on muscle pain in healthy men and women and those with a diagnosis of fibromyalgia. (Not funded)

2009 – “**Vagal Nerve Stimulation for Fibromyalgia: Specific or Non-Specific Effects**”
National Institutes of Health R01 application (PI: Benjamin H. Natelson, Co-I: Dane B. Cook). This study is intended to determine the influence of stimulation of the vagus nerve on pain symptoms and pain regulation of experimental pain in patients with fibromyalgia syndrome. (Not funded)

PRESENTATIONS

Invited

1. “Exercise testing data from the Multi-Site Clinic Assessment of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (MCAM) Study” Presented to the ***Centers for Disease Control***, Atlanta, GA, October, 2018.
2. “Brain States and Traits in Chronic Multi-Symptom Diseases (Myalgic Encephalomyelitis / Chronic Fatigue Syndrome)” Presented to the ***National Institutes of Health***, Bethesda, MD, September, 2018.
3. “The Role of Exercise in Understanding and Treating Chronic Multisymptom Illnesses” Symposium presentation. I chaired this session and presented to introduction. ***Annual Meeting of the American College of Sports Medicine***, Minneapolis, MN, May, 2018.
4. “Exercise testing data from the Multi-Site Clinic Assessment of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (MCAM) Study” Presented to the ***Centers for Disease Control***, Atlanta, GA, December, 2017.
5. “Neuroimaging of exercise and pain” Presented to the doctoral and post-doctoral fellows at Ghent University in Ghent, Belgium, October 2017.
6. “Psychobiology of Pain and Exercise in Chronic Musculoskeletal Pain” Presented as part of the ACSM/Society of Behavioral Medicine Co-Sponsored Symposium: Exercise as an Integrative Approach to the Management of Chronic Pain and Addiction. ***Annual Meeting of the American College of Sports Medicine***, Denver, CO, May, 2017.
7. “Psychobiology of Pain and Exercise: Bulldog to Badger” Presented for the ***2016 Clifford Lewis Lecture in the Department of Kinesiology at the University of Georgia***, Athens, GA, February, 2017.
8. “Functional and structural brain imaging of the exercise and pain paradox” Presented at the ***University of Florida, Department of Health and Human Performance seminar series***, Gainesville, Florida, February, 2017.
9. “Stakeholder Workgroup” Presentation given to the ***Chronic Fatigue Syndrome Advisory Committee*** concerning the importance of stakeholder involvement in ME/CFS research. Washington DC, March, 2017.

10. "The Psychobiology of Pain and Exercise in Chronic Musculoskeletal Pain: Innovative Methodological Approaches" Presented at the **University of Limerick, Physical Education and Sports Sciences program**, Limerick Ireland, July 2016.
11. "Functional and structural brain imaging of the exercise and pain paradox" Presented at the **IFOMPT International Conference**, Glasgow, Scotland, July 2016.
12. "Psychobiology of pain, fatigue and exercise" Presented at the **Annual Meeting of the Academy of Behavioral Medicine Research**, Whistler, BC, June, 2016.
13. "Exercise for the Treatment of Chronic Musculoskeletal Pain: Current Understanding and Future Directions" Presented at the **Annual Meeting of the American College of Sports Medicine**, Boston, MA, June, 2016.
14. "Impact of exercise training on pain and brain function in Gulf War Veterans or Never get involved in a land war in Asia" Presented to the **Department of Family Medicine T32 Post-Doctoral Fellows**, Madison, WI, April, 2016.
15. "Centers for Disease Control multisite study: Aerobic capacity data" Presented to the **CDC as part of a funded contract to UW- Madison**, Department of Kinesiology, Atlanta, GA, December, 2015.
16. "Deciphering post-exertion malaise" Presented as **Medical Grand Rounds at the War Related Illness and Injury Study Center**, East Orange, NJ, April, 2015.
17. "A fit brain is a healthy brain" Presented at the **Wisconsin Alzheimer's Institute (WAI), Alzheimer's Disease Annual Update**. Madison, WI, November, 2014.
18. "Deciphering post-exertion malaise" Presented at the **Board of Director's, Research Advisory Council meeting of the Solve ME/CFS Initiative (SMCI)**. Denver, CO, October, 2014.
19. "Deciphering post-exertion malaise" **Webinar given for the Solve ME/CFS Initiative**. Madison, WI, September, 2014.
20. "Psychobiology of pain and exercise in chronic musculoskeletal pain" Presented at the **1st Annual PERFORM Center Research Conference - Themed "Physical Activity and Brain Functions"**, Concordia University, Montreal, CA, May, 2014.
21. "A fit brain is a healthy brain" Presented at Medical College of Wisconsin Symposium titled **"Emerging Topics in Cognitive Impairment: From Prevention to Intervention"** Wauwatosa, WI, March, 2014.
22. "Psychobiology of pain and exercise in Gulf War illness" Part of a Symposium on Gulf War Veteran health - Presented at the **Annual Meeting of the American Psychosomatic Society**, San Francisco, CA, March, 2014.
23. "Physical activity alters pain sensitivity in chronic musculoskeletal pain" Lecture given as part of the 18th Annual PhD Course **"Translational Neurobiology of the Pain System XVIII: Exercise and Pain"**, Aalborg University, Aalborg, Denmark, December, 2013.

24. "A fit brain is a healthy brain" Presentation given at the **12th Annual November lecture of the Wisconsin Alzheimer's Disease Research Center, "Aging Strong: Reducing your Risk for Alzheimer's"**, Madison, Wisconsin, November, 2013.
25. "Post-exertion malaise in CFS/ME: Definition, potential mechanisms and future directions" Presentation at Cold Springs Harbor Banbury Center CFS meeting titled: **"Decoding Clinical Trials to Improve Treatment of ME/CFS"**, Cold Springs Harbor, New York, September, 2012.
26. "Impact of exercise training on pain and brain function in Gulf War Veterans with chronic musculoskeletal pain" Presented at the **Gulf War illness investigator meeting** at the Office of Research and Development, Veterans Health Administration, Washington, DC, September, 2012.
27. "Has neuroimaging improved our understanding of chronic fatigue: relevance for Gulf War illness" **Employee Education System** continuing education seminar given at the VA Health Care System, Palo Alto, California, July, 2012.
28. "Diffusion tensor imaging in Gulf War Veterans with chronic musculoskeletal pain" Presentation to the **Research Advisory Committee on Gulf War Illnesses** (Jim Binns; Chair), Boston, Massachusetts, June, 2012.
29. "Physical Activity and Muscle Pain" Symposium for the **Annual Meeting of the American Pain Society**, Honolulu, Hawaii, May, 2012.
30. "Can Functional Neuroimaging Data Serve as a Biomarker for Chronic Fatigue Syndrome?" Symposium presentation for the **Annual Meeting of the International Neuropsychological Society**, Montreal, Canada, February, 2012.
31. "Can Functional Neuroimaging Data Serve as a Biomarker for Myalgic Encephalomyelitis / Chronic Fatigue Syndrome?" Presentation given at the **National Institutes of Health State of the Knowledge Workshop on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome**, Bethesda, Maryland, April 2011.
32. "Psychobiology of pain, fatigue and exercise in CFS/ME & FM" Webinar presentation for the **CFIDS Association of America**, November, 2010.
33. "Psychobiology of pain and exercise in Gulf War Veterans with chronic musculoskeletal pain" Presentation to the **Research Advisory Committee on Gulf War Illnesses** (Jim Binns; Chair), Boston, Massachusetts, November 2010.
34. "Exercise and brain research in chronic fatigue syndrome" Presentation to the **Wisconsin ME/CFS Association** annual meeting, October, 2010.
35. "Psychobiology of pain, fatigue and exercise" Presentation to the **Pain Research Group at the University of Utah**, Salt Lake City, Utah, January, 2010.
36. "Can Functional magnetic resonance imaging (fMRI) data serve as a biomarker for fatigue? Technological and methodological considerations" Presentation at Cold Springs Harbor Banbury Center CFS meeting titled: **"From Infection to Neurometabolism: A Nexus for CFS"**, Cold Springs Harbor, New York, September, 2009.

37. "An introduction to the exercise psychology laboratory at the University of Wisconsin-Madison" Presentation at the ***Psychobiology Interest Group*** meeting at the ***Annual Meeting of the American College of Sports Medicine (ACSM)***, Seattle, Washington, June 2009.
38. "Imaging the cognitive modulation of pain in fibromyalgia" Presentation at the ***Fifth Scientific Meeting of the TMJ Association: "Can Studies of Co-Morbidities with TMJDs Reveal Common Mechanisms of Disease?"*** Bethesda, Maryland, June, 2008.
39. "The influence of physical activity on brain processing of pain in women with fibromyalgia" Symposium "Exercise – Cause of and Cure for Pain" Presentation at the ***55th annual meeting of the American College of Sports Medicine (ACSM)***, Indianapolis, Indianapolis, June, 2008.
40. "Exercise, Pain and the Brain" Presentation at the ***30th Annual Meeting of the Mid-Atlantic Regional Chapter of the American College of Sports Medicine***, Harrisburg, Pennsylvania, November, 2007
41. "Functional neuroimaging of pain in Gulf War veterans with chronic musculoskeletal pain" Presentation at the ***Department of Veterans Affairs (VA) Pain Research Summit***, Palm Springs, California, September 2007
42. "Psychophysiological aspects of muscle pain and exercise in health and disease" Presentation to the ***Department of Health, Nutrition and Exercise Sciences, University of Delaware***, Newark, Delaware, March 2007
43. "Functional Neuroimaging of Mental Fatigue" Presentation to the ***Department of Health, Nutrition and Exercise Sciences, University of Delaware***, Newark, Delaware, March 2007
44. "Psychophysiological aspects of muscle pain and exercise in health and disease" Presentation to the ***Kinesiology Department at the University of Illinois***, Champagne-Urbana, Illinois, November, 2006.
45. "The psychophysiology of emotion: applications to physical activity" Featured Science Session at the ***53rd annual meeting of the American College of Sports Medicine (ACSM)***, Denver, Colorado, June, 2006.
46. "Imaging the cognitive modulation of pain in fibromyalgia" Presentation at the first annual ***National Institutes of Health, Pain Consortium Symposium: Highlights in Pain Research 2006***. Presentation to the National Institutes of Health, NIND, Natcher Conference Center Auditorium, Bethesda, Maryland, April 2006.
47. "Fibromyalgia and the central nervous system" Presentation at the ***3^{ème} Journée Scientifique de l'Association Française du Syndrome de Fatigue Chronique et Fibromyalgie***, Presentation to the ***Chronic Fatigue Syndrome and Fibromyalgia Association of France*** at the Annual Scientific Meeting for Chronic Fatigue syndrome and Fibromyalgia., Hotel Scibe, Paris, France, April 2005.
48. "A Functional neuroimaging exploration of mental energy and fatigue" Presentation to the ***North American Branch of the International Life Sciences Institute Technical Committee on Energy*** at the ILSI NA home office in Washington, DC, March, 2005.

49. "Medically Unexplained Pain and Nociceptive Dysregulation" Presentation to the ***Neuropsychology & Neuroscience Laboratory at Kessler Medical Rehabilitation Research & Education Corp.***, West Orange, New Jersey, February 2005.
50. "Unexplained pain and fatigue: the veteran experience and implications for civilians (I)" Workshop conducted at the ***American Academy of Physical Medicine and Rehabilitation Annual Assembly***, Phoenix, Arizona, October, 2004.
51. "Pain sensitivity in Gulf veterans with medically unexplained musculoskeletal pain" Presentation to the ***Research Advisory Committee for Gulf War illness*** at the Veterans Association Medical Center and in conjunction with the ***War Related Illness and Injury Study Center***, East Orange, New Jersey, June 2004.
52. "Fibromyalgia: The central nervous system and pain" Presentation to the American Association for Chronic Fatigue syndrome at the annual awards banquet of the ***American Association for Chronic Fatigue Syndrome – Sixth international Conference***, Chantilly, Virginia, January 2003.
53. "Are there sex differences in perceived exertion responses to exercise?" Expert panel member and invited speaker at the ***Annual Meeting of the American College of Sports Medicine***, St. Louis, Missouri, June 2002.
54. "Functional imaging of pain in Chronic Fatigue Syndrome and Fibromyalgia: Central Nervous System Sensitivity or Hypervigilance" Presentation to the Department of Radiology functional imaging group, UMDNJ – New Jersey Medical School, Newark, New Jersey, July 2001.
55. "Scaling Know How in Perceived Exertion: A Workshop for Practitioners and Researchers" Expert panel member and invited speaker at the ***Annual Meeting of the American College of Sports Medicine***, Baltimore, Maryland, June 2001.
56. "Fibromyalgia: how researchers are studying unexplained pain" Presentation to the Arthritis Foundation and the Christian Health Care Center at a day long conference; ***Living with Arthritis: Update and Treatment Options***, Paramus, New Jersey, March 2001.
57. "Current Status of Fibromyalgia and Chronic Fatigue Syndrome Research" Presentation to the Middle New York Fibromyalgia and Chronic Fatigue Syndrome Group, Saugerties, New York, October 2000.
58. "Fibromyalgia: research update" Presentation to the New Jersey Chapter of the Arthritis Foundation and Robert Wood Johnson University Hospital (with B.H. Natelson) at the ***Third Annual Arthritis Patient/Family Conference***, New Brunswick, New Jersey, May 2000.
59. "Fibromyalgia and nociceptive dysregulation" Presentation to the departments of Psychiatry and Neuroscience at the UMDNJ-New Jersey Medical School, Newark, New Jersey, December 1999.
60. "Why do muscles hurt during intense exercise?" Chair member of an invited symposium titled "Pain During and Following Acute Exercise" (with P.J. O'Connor, C.R. Chapman, J.N.

Myers, & K.F. Koltyn) at the *Annual Meeting of the American College of Sports Medicine*, Seattle, Washington, June 1999.

61. "Muscle pain during exercise" Presentation to Chronic Fatigue Syndrome Center at the Veterans Administration Hospital, East Orange, New Jersey, October 1998.

PRESENTATIONS OF ORIGINAL RESEARCH

1. Gastrointestinal dysfunction and systemic immune response to antigen translocation in myalgic encephalomyelitis/chronic fatigue syndrome. Digestive Disease Week
2. Dougherty, R.J., H.Y. Moon, E.A. Boots, A. Becke, E. Duezel, M. Wagner, **D.B. Cook**, H. van Praag, & O.C. Okonkwo. The effect of aerobic exercise training on serum BDNF in preclinical Alzheimer's disease. *Alzheimer's Association International Conference*, Chicago, IL, July, 2018.
3. Ennis, G.E., R.J. Dougherty, E.A. Boots, D.F. Edwards, R.L. Kosciak, E. Duezel, M. Wagner, C.M. Carlsson, C.L. Gallagher, B.B. Bendlin, S. Asthana, M.A. Sager, B.P. Hermann, S.C. Johnson, **D.B. Cook**, O.C. Okonkwo. Aerobic training is related to cognitive health in adults at risk for Alzheimer's disease: Results from the aeRObic Exercise And Cognitive Health (REACH) pilot study. *Alzheimer's Association International Conference*, Chicago, IL, July, 2018.
4. Van Riper, S.M., A.J. Stegner, J.B. Lindheimer, R.J. Dougherty, N.E. Almassi, J.V. Ninneman, L.D. Ellingson, P.J. O'Connor, FACSM, **D.B. Cook**, FACSM. Pain Modulation in Response to Resistance Exercise Training in Gulf War Veterans with Chronic Pain. Presented at the *Annual Meeting of the American College of Sports Medicine*, Minneapolis, MN, May, 2018.
5. Dougherty, R.J., J.B. Lindheimer, A.J. Stegner, S. Van Riper, J.V. Ninneman, O.C. Okonkwo, **D.B. Cook**, FACSM. University of Wisconsin - Madison, Madison, WI. Fitness And Age-related Associations: Is VO₂peak A Valid Measure For Older Adults? Presented at the *Annual Meeting of the American College of Sports Medicine*, Minneapolis, MN, May, 2018.
6. Lindheimer, J.B., A.J. Stegner, S.M. VanRiper, R.J. Dougherty, N.E. Almassi, J.V. Ninneman, L.D. Ellingson, P.J. O'Connor (FACSM), **D.B. Cook** (FACSM). Resistance training does not alter pain sensitivity in Gulf War Veterans with chronic musculoskeletal pain. *Annual Meeting of the American College of Sports Medicine*, Minneapolis, MN, May, 2018.
7. Meyer J., K. Crombie, **D.B. Cook**, C. Hillard, K. Koltyn. Endocannabinoid and mood responses to moderate and preferred intensity exercise sessions in major depressive disorder. Accepted for poster presentation at *Society of Behavioral Medicine Annual Meeting*, New Orleans, LA, April, 2018.
8. Vesperman, C., L.L. Law, J. Oh, R.J. Dougherty, D.F. Edwards, R.L. Kosciak, C.L. Gallagher, C.M. Carlsson, H. Rowley, B.B. Bendlin, S. Asthana, M.A. Sager, B.P. Hermann, S.C. Johnson, **D.B. Cook**, O.C. Okonkwo. Cardiorespiratory capacity attenuates age-associated aggregation of white matter hyperintensities: Findings from the Wisconsin Registry for Alzheimer's

Prevention. Presented at the *Annual meeting of the International Neurological Society*. 2018.

9. Maxa, K.M., S. Berman, L.A. Rivera-Rivera, L.L. Law, R.J. Dougherty, C.K.C. Mitchell, D.F. Edwards, R.L. Kosciak, C.L. Gallagher, C.M. Carlsson, B.B. Bendlin, S. Asthana, M.A. Sager, B.P. Hermann, O. Wieben, S.C. Johnson, **D.B. Cook**, O.C. Okonkwo. Sedentary Behavior Associates with Vessel Pulsatility in the Brains of Adults at Risk for Alzheimer's Disease. Presented at the *Annual meeting of the International Neurological Society*. 2018.
10. Dougherty, R.J., E.A. Boots, H. Rowley, B. Hermann, M. Sager, S.C. Johnson, D.F. Edwards, **D.B. Cook** & O.C. Okonkwo. Exercise training and cerebral blood flow in preclinical Alzheimer's disease: Results from the aeRobic Exercise and Cognitive Health (REACH) Study. Presented at the *Alzheimer's Association International Conference*, London, England, July, 2017.
11. Law, L.L., S.A. Schultz, R.N. Rol, R.J. Dougherty, D.F. Edwards, J.A. Einerson, R.L. Kosciak, C.L. Gallagher, C.M. Carlsson, B.B. Bendlin, H. Zetterberg, K. Blennow, S. Asthana, M.A. Sager, B.P. Hermann, S.C. Johnson, J.H. Stein, **D.B. Cook**, O.C. Okonkwo. Moderate intensity physical activity associates with CSF biomarkers in preclinical Alzheimer's disease. Presented at the *Alzheimer's Association International Conference*, London, England, July, 2017.
12. Dougherty, R.J., E.A. Boots, K. Cody, S.A. Schultz, D.F. Edwards, S.C. Johnson, J. Einerson, O.C. Okonkwo, & **D.B. Cook**. Fitness, independent of physical activity is associated with cerebral blood flow in older adults at-risk for Alzheimer's disease. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
13. Falvo, M.J., J., Lindheimer, J.C., Klein, D. Ndirangu, Y. Chen, M.R. Condon & **D.B. Cook**. Altered Breathing Pattern Responses to Exercise in Veterans with Fatiguing Illness. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
14. Van Riper, S.M., Jin-Mann S. Lin, E.R. Unger, R.J. Dougherty, Multisite Clinical Assessment of ME/CFS (MCAM) Workgroup & **D.B. Cook**. The Validity of Oxygen Uptake Efficiency Measures in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
15. McDowell, C.P., **D.B. Cook** & M.P. Herring. The Effects of Exercise Training on Anxiety in Fibromyalgia Patients: A Quantitative Synthesis. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
16. Lindheimer, J., A.J. Stegner, S.M. Van Riper, R.J. Dougherty, L.D. Ellingson & **D.B. Cook**. Influence Of Physical Activity And Sedentary Behavior On Anticipation-related Pain Sensitivity In Gulf War Veterans With Chronic Muscle Pain. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
17. Stegner, A.J., J. Lindheimer, R.J. Dougherty, S.M. Van Riper, L.D. Ellingson & **D.B. Cook**. Physical Activity and Brain Responses during Pain Modulation in Gulf Veterans with Chronic Muscle Pain. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.

18. Meyer J.D., L.D. Ellingson & **D.B. Cook**. Affective improvements following acute exercise are not dependent on habitual physical activity levels in MDD. Accepted for poster presentation at *Society of Behavioral Medicine Annual Meeting*, San Diego, CA, April, 2017.
19. Bell, D.R., K. Pfeiffer, L. Cadmus-Bertram, S.M. Trigsted, A. Kelly, E.G. Post, J.M. Hart, **D.B. Cook**, W. Dunn, C. Kuenze. Objectively Measured Physical Activity in Patients after ACL Reconstruction. Presented at the *Annual Meeting of the American College of Sports Medicine*, Denver, CO, May, 2017.
20. Dougherty, RJ, S.A. Schultz, E.A. Boots, S.C. Johnson, D.F. Edwards, O.C. Okonkwo, & **D.B. Cook**. Cardiorespiratory fitness is associated with hippocampal volume and episodic memory in a population at risk for Alzheimer's disease. Presented at the *Alzheimer's Association International Conference*, Toronto, Canada, July, 2016.
21. Lindheimer, J., J.D. Meyer, R. J. Dougherty, M.R. Shields, L.D. Ellingson, A.J. Stegner & **D.B. Cook**. Post-exertion malaise: Variability of symptoms across two studies of chronic fatigue syndrome patients. Presented at the *Bi-annual meeting of the International Association of Chronic Fatigue Syndrome / Myalgic Encephalomyelitis*, Fort Lauderdale, FL, October, 2016.
22. Dougherty, R.J., M.R. Shields, J.D. Meyer, S.M. Van Riper, L.D. Ellingson, J. Lindheimer, A.J. Stegner, & **D.B. Cook**. Physical Activity, Sedentary Behavior and Symptoms before and after Post-Exertion Malaise in Myalgic Encephalomyelitis / Chronic Fatigue Syndrome. Presented at the *Bi-annual meeting of the International Association of Chronic Fatigue Syndrome / Myalgic Encephalomyelitis*, Fort Lauderdale, FL, October, 2016.
23. **Cook, D.B.**, Jin-Mann S. Lin, E.R. Unger, R.J. Dougherty, S.M. Van Riper, & MCACM Workgroup. Exercise testing data from the Multi-Site Clinic Assessment of Myalgic Encephalomyelitis /Chronic Fatigue Syndrome (MCAM) Study. Presented at the *Bi-annual meeting of the International Association of Chronic Fatigue Syndrome / Myalgic Encephalomyelitis*, Fort Lauderdale, FL, October, 2016.
24. **Cook, D.B.**, J.D. Meyer, M.R. Shields, , R. J. Dougherty, S.M. Van Riper, L.D. Ellingson, J. Lindheimer & A.J. Stegner. Functional Neural Consequences of Post-Exertion Malaise in Myalgic Encephalomyelitis /Chronic Fatigue Syndrome (ME/CFS). Presented at the *Bi-annual meeting of the International Association of Chronic Fatigue Syndrome / Myalgic Encephalomyelitis*, Fort Lauderdale, FL, October, 2016.
25. Van Riper, S.M., A.J. Stegner, L.D. Ellingson, K.F. Koltyn, A. Alexander & **D.B. Cook**. Physical Activity, Mood Symptoms, and White Matter Integrity in Gulf War Veterans with Chronic Pain. Presented at the *Annual Meeting of the American College of Sports Medicine*, Boston, MA, May, 2016.
26. Ellingson, L.D., & **D.B. Cook**. Using Real-Time Feedback to Target Reductions in Sedentary Behavior. Presented at the *Annual Meeting of the American College of Sports Medicine*, Boston, MA, May, 2016.

27. Dougherty, R.J., E.A. Boots, S.A. Schultz, S.C. Johnson, O.C. Okonkwo, & **D.B. Cook**. Influence of VO₂peak Criteria on Aging and Alzheimer's Research. Presented at the ***Annual Meeting of the American College of Sports Medicine***, Boston, MA, May, 2016.
28. Stegner, A.J., L.D. Ellingson, S.M. Van Riper & **D.B. Cook**. Physical activity and pain modulation in Gulf War Veterans with chronic muscle pain. Presented at the ***Annual Meeting of the American College of Sports Medicine***, Boston, MA, May, 2016.
29. Stegner, A.J. & **D.B. Cook**. Resistance exercise training in Gulf War Veterans chronic unexplained muscle pain: Impact on pain, fatigue, mood and global impression of change. Presented at the ***Annual Meeting of the American Pain Society***, Austin, TX, May, 2016.
30. Van Riper, S.M., A.J. Stegner, L.D. Ellingson, K.F. Koltyn, A.L. Alexander & **D.B. Cook**. Investigation of cerebral white matter integrity, physical activity behaviors and pain symptoms in Gulf War Veterans with chronic musculoskeletal pain. Presented at the ***Annual Meeting of the American Pain Society***, Austin, TX, May, 2016.
31. Zgierska, A., C.A. Burzinski, **D.B. Cook**, A.J. Stegner & J. Kloke. Mindfulness mediation reduced pain severity and sensitivity in opioid-treated chronic low back pain. Presented at the ***Annual meeting of the American Society for Addiction Medicine***. Austin, TX, April, 2015.
32. Boots, E.A., S.A. Schultz, J.M. Oh, R.J. Dougherty, D.F. Edwards, J.A. Einerson, C.E. Korcarz, H.A. Rowley, B.B. Bendlin, S. Asthana, M.A. Sager, B.P. Hermann, S.C. Johnson, J.H. Stein, **D.B. Cook**, & O.C. Okonkwo. Cardiorespiratory capacity correlates with cerebral blood flow, white matter hyperintensities, and cognition in preclinical Alzheimer's disease. Presented at the ***Annual Meeting of the Alzheimer's Association International Conference***, Washington, DC, July, 2015.
33. Schultz, S.A., E.A. Boots, R.J. Dougherty, B.F. Darst, S. Yu, T. Kirby, D.F. Edwards, J.A. Einerson, C.E. Korcarz, H. Zetterberg, K. Blennow, C.M. Carlsson, B.B. Bendlin, S. Asthana, M. A. Sager, B.P. Hermann, S.C. Johnson, J.H. Stein, C.D. Engelman, **D.B. Cook**, & O.C. Okonkwo. Cardiorespiratory capacity modifies the association between a polygenic risk score and CSF biomarkers in preclinical Alzheimer's disease. Presented at the ***Annual Meeting of the Alzheimer's Association International Conference***, Washington, DC, July, 2015.
34. Schultz, S.A., R.J. Dougherty, E.A. Boots, **D.B. Cook** & O.C. Okonkwo. Cardiorespiratory capacity attenuates the influence of age and amyloid- β on cognition. Presented at the ***Annual meeting of the International Neurological Society***. Denver, CO, February, 2015.
35. Dougherty, R.J., M.R. Shields, J.D. Meyer, S.M. Van Riper, A.J. Stegner, I. Schwabacher & **D.B. Cook**. Post-exertion malaise in ME/CFS: Brain and behavioral interactions. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the ***Annual Meeting of the American College of Sports Medicine***, San Diego, CA, May, 2015.
36. Ellingson, L.D., A. Stegner & **D.B. Cook**. Imaging of exercise-induced hypoalgesia in patients with fibromyalgia. *Journal of Pain*, (Suppl.): Presented at the ***Annual Meeting of the American Pain Society***, Palm Springs, CA, May, 2015.

37. Van Riper, S., I. Schwabacher, A. Alexander & **D.B. Cook**. Physical activity and white matter integrity in Gulf War Veterans with chronic pain. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Diego, CA, May, 2015.
38. Shields, M.R., N. Schroeder, B. Utesch & **D.B. Cook**. Psychobiological adaptation across a competitive season in collegiate rowers. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Diego, CA, May, 2015.
39. Stegner, A.J., L.D. Ellingson, S.M. Van Riper & **D.B. Cook**. Physical activity and pain modulation in Gulf War Veterans with chronic unexplained muscle pain. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Diego, CA, May, 2015.
40. Meyer, J., K.F. Koltyn, J. Nitschke & **D.B. Cook**. Preferred intensity exercise does not improve mood more than prescribed intensity in major depressive disorder. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Diego, CA, May, 2015.
41. Crombie, K.M., A.G. Brellenthin, C.J. Hillard, **D.B. Cook**, N. Sehgal & K.F. Koltyn. Endocannabinoid and opioid system interactions in exercise-induced hypoalgesia. *Medicine and Science in Sports and Exercise*, 47(5 Suppl.): S-S. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Diego, CA, May, 2015.
42. Meyer, J.D., L.D. Ellingson & **D. B. Cook**. Characterizing sedentary and physical activity behaviors and their relationships to symptoms in depressed females. Accepted for poster presentation at **Society of Behavioral Medicine Annual Meeting**, San Antonio, TX, April, 2015.
43. Koltyn, K., A. Brellenthin, **D.B. Cook** & N. Sehgal. Influence of psychosocial variables on exercise-induced hypoalgesia. *Journal of Pain*, 15(4 Suppl.): S101. Presented at the **Annual Meeting of the American Pain Society**, Tampa, FL, May, 2014.
44. Okonkwo, O.C., J.M. Oh, S.A. Schultz, J. Larson, D. Edwards, **D.B. Cook**, R. Kosciak, N.M. Dowling, C.L. Gallagher, C.M. Carlsson, B.B. Bendlin, A. LaRue, B.P. Hermann, H.A. Rowley, S. Asthana, B.T. Christian, S.C. Johnson & M. A. Sager. Physical activity modifies Alzheimer biomarkers in preclinical AD: Evidence from the Wisconsin Registry for Alzheimer's Prevention. Presented at the **Annual Meeting of the Alzheimer's Association International Conference**, Copenhagen, Denmark, July, 2014.
45. Boots, E.A., J.M. Oh, S.A. Schultz, J. Larson, D. Edwards, **D.B. Cook**, R. Kosciak, N.M. Dowling, C.L. Gallagher, C.M. Carlsson, H.A. Rowley, B.B. Bendlin, S. Asthana, B.P. Hermann, S.C. Johnson, M. A. Sager A. LaRue & Okonkwo, O.C. Cardiorespiratory fitness is associated with brain structure, cognition and mood in a middle-aged cohort at risk for Alzheimer's disease. Presented at the **Annual Meeting of the Alzheimer's Association International Conference**, Copenhagen, Denmark, July, 2014.

46. Meyer, J.D., R. Dougherty, M. Shields, & **D.B. Cook**. Muscle Pain and Gene Expression: Acute Exercise Responses and Adaptations to Training. *Medicine and Science in Sports and Exercise*, 45(5 Suppl.): S278-S286. Presented at the **Annual Meeting of the American College of Sports Medicine**, Indianapolis, IN, June, 2013.
47. Koltyn, K., A. Brellenthin, **D.B. Cook** & N. Sehgal. Mechanisms of exercise-induced hypoalgesia. *Medicine and Science in Sports and Exercise*, 45(5 Suppl.): S278-S286. Presented at the **Annual Meeting of the American College of Sports Medicine**, Indianapolis, IN, June, 2013.
48. Brellenthin, A., **D.B. Cook**, N. Sehgal & K. Koltyn. Exercise-induced hypoalgesia and pain catastrophizing in women and men. *Medicine and Science in Sports and Exercise*, 45(5 Suppl.): S278-S286. Presented at the **Annual Meeting of the American College of Sports Medicine**, Indianapolis, IN, June, 2013.
49. Stegner, A.J. & **D.B. Cook**. Evaluating the reliability and response bias in computer-administered pain rating scales: a generalizability theory analysis. *Journal of Pain*, 14(4 Suppl.): S22. Presented at the **Annual Meeting of the American Pain Society**, New Orleans, LA, May, 2013.
50. Ellingson, L.D., I. Sschwabacher & **D. B. Cook**. Catastrophizing is related to pain modulation in women with fibromyalgia. *Journal of Pain*, 14(4 Suppl.): S30. Presented at the **Annual Meeting of the American Pain Society**, New Orleans, LA, May, 2013.
51. VanRiper, S., L.D. Ellingson, A.J. Stegner & **D.B. Cook**. Symptoms, physical activity and pain sensitivity in chronic musculoskeletal pain: a comparison of veterans and civilians. *Journal of Pain*, 14(4 Suppl.): S30. Presented at the **Annual Meeting of the American Pain Society**, New Orleans, LA, May, 2013.
52. Janal, M.N., K.G. Raphael, L. Nemelivsky, **D.B. Cook**, R. Staud & D. Sirois. Thermal temporal summation in myofascial pain patients: influence of fibromyalgia. Presented at the **IADR/AADR Annual Meeting**, Seattle, Washington, March, 2013.
53. Ellingson, L.D., L. Colbert & **D. B. Cook**. Physical activity is related to pain sensitivity in healthy women. *Medicine and Science in Sports and Exercise*, 44(5 Suppl.): S267-S958. Presented at the **Annual Meeting of the American College of Sports Medicine**, San Francisco, CA, June, 2012.
54. Brellenthin, A.G., **D.B. Cook**, N. Sehgal & K.F. Koltyn. The influence of submaximal isometric exercise on temporal summation of heat pain. *Journal of Pain*, 13(4 Suppl.): S49. Presented at the **Annual Meeting of the American Pain Society**, Honolulu, HI, May, 2012.
55. Meyer, J.D., A.R. Light, A.J. Stegner, S. Shukla & **D. B. Cook**. Gene expression and symptom changes following a maximal exercise test in chronic fatigue syndrome. *Journal of Pain*, 13(4 Suppl.): S42. Presented at the **Annual Meeting of the American Pain Society**, Honolulu, HI, May, 2012.

56. Stegner, A.J. & **D.B. Cook**. Brain responses to painful and nonpainful stimuli in Gulf War Veterans with unexplained muscle pain. *Journal of Pain*, 13(4 Suppl.): S50. Presented at the **Annual Meeting of the American Pain Society**, Honolulu, HI, May, 2012.
57. Shields, M.R., L.D. Ellingson, A.J. Stegner & **D.B. Cook**. Functional connectivity during moderate pain in women with fibromyalgia. *Journal of Pain*, 13(4 Suppl.): S51. Presented at the **Annual Meeting of the American Pain Society**, Honolulu, HI, May, 2012.
58. Meyer, J.D., A.J. Stegner, B.H. Natelson & **D.B. Cook** (2011). Psychobiological response to exercise differs between chronic fatigue syndrome (CFS) and CFS with comorbid fibromyalgia. *Medicine and Science in Sports and Exercise*, 43(5 Suppl.): S325-S326. Presented at the **Annual Meeting of the American College of Sports Medicine**, Denver, CO, May, 2011.
59. Ellingson, L.D., A.E. Kuffle & **D.B. Cook** (2011). Active and Sedentary Behavior Patterns Predict Mental Health and Quality of Life in Healthy Women. *Medicine and Science in Sports and Exercise*, 43(5 Suppl.): S817. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, CO, May, 2011.
60. Ellingson, L.D. & **D.B. Cook** (2011). Exercise Induces Hypoalgesia through Conditioned Pain Modulation. *Journal of Pain*, 12(4 Suppl.): S37. Presented at the Annual Meeting of the American Pain Society, Austin, TX, May, 2011.
61. Shields, M.R., L.D. Ellingson, A.J. Stegner & **D.B. Cook** (2011). How does physical activity relate to cognitive pain modulation in women? *Journal of Pain*, 12(4 Suppl.): S39. Presented at the Annual Meeting of the American Pain Society, Austin, TX, May, 2011.
62. Ellingson, L.D., A.J. Stegner & **D.B. Cook** (2010). Can fibromyalgia patients distract from pain? A functional neuroimaging study. Presented at the **Annual Meeting of the American Pain Society**, Baltimore, MD, May, 2010.
63. **Cook, D.B.**, G. Lange & B.H. Natelson (2010). Psychophysical responses to pain probes during a year of vagus nerve stimulation (VNS) as a treatment for fibromyalgia (FM). Presented at the **Annual Meeting of the American Psychosomatic Society**, Portland, OR, March, 2010.
64. Smith, J.C., E.S. Paulson, M. Verber, T. Qu & **D.B. Cook** (2010). Human Cerebral Blood Flow Increases After Acute Exercise: Arterial Spin Labeling MRI. *Medicine and Science in Sports and Exercise*, 42(5 Suppl.): S46. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD, May, 2010.
65. Smith, J.C., E.S. Paulson, M. Verber, T. Qu & **D.B. Cook** (2009). Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling. Presented at the **Annual Meeting of the Society for Neuroscience**, Chicago, IL, October, 2009.
66. Ellingson, L.D., A.J. Stegner & **D.B. Cook** (2009). Anticipation mediates neural responses to warm stimuli in fibromyalgia. *Journal of Pain*, 10(4 Suppl.): S16. Presented at the Annual Meeting of the American Pain Society San Diego, CA, May, 2009.

67. Newcomb, L.W. K.F., Koltyn, W.P. Morgan & **D.B. Cook** (2009). The influence of a preferred versus a prescribed exercise session on pain in women with fibromyalgia. *Journal of Pain*, 10(4 Suppl.): S16. Presented at the Annual Meeting of the American Pain Society San Diego, CA, May, 2009.
68. Dannecker, E. & **D.B. Cook** (2009). The relationship between pain and physical function in participants with fibromyalgia syndrome: influence of measurement methodology. *Journal of Pain*, 10(4 Suppl.): S2. Presented at the Annual Meeting of the American Pain Society San Diego, CA, May, 2009.
69. McLoughlin, M.J., L.D. Ellingson, A.J. Stegner & **D.B. Cook** (2008). Physical activity and augmented brain responses to pain in fibromyalgia. *Journal of Pain*, 9(4 Suppl.): S15. Presented at the Annual Meeting of the American Pain Society, Tampa, FL, May, 2008.
70. **Cook, D.B.** (2008). The influence of physical activity on brain processing of pain in women with fibromyalgia. *Medicine and Science in Sports and Exercise*, 40(5 Suppl.): S42. Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, IN, May, 2008.
71. Ellingson, L.D., M.J. McLoughlin, A.J. Stegner & **D.B. Cook** (2008). Imaging the relationship between physical activity and cognition in women with fibromyalgia and healthy women. *Medicine and Science in Sports and Exercise*, 40(5 Suppl.): S364. Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, IN, May, 2008.
72. **Cook, D.B.** & A.J. Stegner (2007). Cardiorespiratory and perceptual responses to exercise in Gulf War veterans with chronic musculoskeletal pain. *Journal of Pain*, 8(4 Suppl.): S22. Presented at the Annual Meeting of the American Pain Society, Washington DC, May, 2007.
73. **Cook, D.B.** L.D. Ellingson & A.J. Stegner (2007). Exercise alters Pain Sensitivity in Gulf War Veterans with Chronic Musculoskeletal Pain. *Medicine and Science in Sports and Exercise*, 39(5 Suppl.): S158-S159. Presented at the Annual Meeting of the American College of Sports Medicine, New Orleans, Louisiana, May, 2007.
74. **Cook, D.B.** (2006). Functional neuroimaging of pain and fatigue. *Medicine and Science in Sports and Exercise*, 38(5 Suppl.): S62. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, Colorado, May, 2006.
75. Reid, G.V., M.T. Bergen, R.M. DeMarco, F.P. Chua, M. Ocasio & **D.B. Cook** (2006). Virtual functional magnetic resonance imaging pain study system. Presented at the *Bioengineering Conference*, Newark, NJ, April, 2006.
76. **Cook, D.B.**, A. Poluri, J. Mores, & B.H. Natelson (2005). Pain sensitivity in Gulf veterans with medically unexplained musculoskeletal pain. *Medicine and Science in Sports and Exercise*, 37(5 Suppl.): S332. Presented at the Annual Meeting of the American College of Sports Medicine, Nashville, Tennessee, May, 2005.
77. Liu, W-C, S. C. Feldman, T. Xu, **D.B. Cook**, O. Nasis, N. Elbasty & B. Komisaruk (2005). Brain mechanisms underlying electro-acupuncture-induced analgesia: A functional MRI study.

Proceeds of the International Society for Magnetic Resonance Medicine, 13 (suppl.): S1480. Presented at the International Society of Magnetic Resonance in Medicine 2005 Annual Conference, Miami, Florida, May 2005.

78. Lange, G. & **D.B. Cook** (2005). Chronic Fatigue: a Brain Disease? Presented at the *International Conference on Fatigue Science*, Tokyo, Japan, February 2005.
79. **Cook, D.B.** & J. Mores (2004). Exercise training for medically unexplained symptoms: fitness or function? Presented at the *American Academy of Physical Medicine and Rehabilitation Annual Assembly*, Phoenix, Arizona, October, 2004.
80. Kikuchi, H., K. Yoshiuchi, K. Ohashi, Y. Yamamoto, H. Kumano, **D.B. Cook** & B.H. Natelson (2004). Detrended fluctuation analysis of heart rate variability before and after exercise in chronic fatigue syndrome. Presented at the *American Association for Chronic Fatigue Syndrome, Seventh International Conference*, Madison, Wisconsin, October, 2004.
81. **Cook, D.B.** (2004). Pain sensitivity in Gulf War veterans. Presented at the *United States Government Committee on Gulf War Illness Research Meeting*, East Orange, New Jersey, June, 2004.
82. **Cook, D.B.**, P.R. Nagelkirk, A. Peckerman, B. Qureshi, A. Poluri, J. Mores & B.H. Natelson (2004). Exercise and neurocognitive performance in chronic fatigue syndrome. " *Medicine and Science in Sports and Exercise*, 36(5 Suppl.): S274. Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, Indiana, May, 2004.
83. **Cook, D.B.**, P.R. Nagelkirk, A. Poluri, J. Mores, & B.H. Natelson (2004). Cardiorespiratory and perceptual responses to steady-state exercise in patients with chronic fatigue syndrome and co-morbid fibromyalgia. *Journal of Pain*, 5(3 Suppl.): S39. Presented at the Annual Meeting of the American Pain Society, Vancouver, Canada, May, 2004.
84. **Cook, D.B.** (2004). Pain sensitivity in Gulf War veterans with medically unexplained musculoskeletal pain. Presented at the *Annual Research Day for the East Orange Department of Veterans Affairs Medical Center*, East Orange, New Jersey, April, 2004.
85. **Cook, D.B.**, K.S. Quigley, P. Nagelkirk, A. Poluri, J. Mores, A. Peckerman & B.H. Natelson (2004). Effect of fitness on cognitive performance in chronic fatigue syndrome. Presented at the *Society of Behavioral Medicine Annual Meeting and Scientific Sessions*, Baltimore, Maryland, March, 2004.
86. Yoshiuchi, K., **D.B. Cook**, K. Ohashi, Y. Yamamoto, H. Kumano, T. Kuboki, & B.H. Natelson (2004). Influence of exercise on chronic fatigue syndrome patients using ecological momentary assessment. Presented at the *Annual Meeting of the American Psychosomatic Society*, Orlando, Florida, March, 2004.
87. Yoshiuchi, K., **D.B. Cook**, K. Ohashi, Y. Yamamoto & B.H. Natelson (2003). Development of a new watch-type computer for ecological momentary assessment and application to CFS patients. Presented at the *Science of Real-Time Data Capture meeting, Sponsored by the Biobehavioral Research Program of NCI*, Charleston, South Carolina, September, 2003.

88. Liu, W.C., **D.B. Cook**, D.L. Hung, T. Xu, A. Kalnin & B.R. Komisaruk (2003). BOLD responses in periaqueductal gray matter induced by manual and electro-acupuncture stimulation. Presented at the *Annual of the Organization for Human Brain Mapping*, New York, New York, June, 2003.
89. Liu, W.C., **D.B. Cook**, T. Xu, A. Kalnin & B.R. Komisaruk (2003). BOLD responses of acupuncture induced analgesia. Presented at the *Annual of the Organization of Human Brain Mapping*, New York, New York, June, 2003.
90. **Cook, D.B.**, P.R. Nagelkirk, A. Poluri, J. Mores, B. Qureishi & B.H. Natelson (2003). Perceived exertion in Chronic Fatigue Syndrome: effects of gender. *Medicine and Science in Sports and Exercise*, 35(5 Suppl.): S288. Presented at the Annual Meeting of the American College of Sports Medicine, San Francisco, California, May, 2003.
91. **Cook, D.B.**, P.R. Nagelkirk, A. Poluri, J. Mores & B.H. Natelson (2003). Cardiorespiratory and perceptual responses to exercise in Chronic Fatigue Syndrome and co-morbid Fibromyalgia. *Journal of Pain*, 4(2 Suppl.): S15. Presented at the Annual Meeting of the American Pain Society, Chicago, Illinois, March, 2003.
92. Yoshiuchi, K., **D.B. Cook**, Y. Yamamoto, A. Poluri & B.H. Natelson (2003). Baroreflex sensitivity before and after exercise in patients with Chronic Fatigue Syndrome. Presented at the *American Psychosomatic Society – Annual Scientific Meeting*, Phoenix, Arizona, March, 2003.
93. **Cook, D.B.**, B. Qureishi, A. Poluri, A. Peckerman, P. Nagelkirk & B.H. Natelson (2003). Effect of exercise on neurocognitive function in Chronic Fatigue Syndrome Patients. Presented at the *American Association for Chronic Fatigue syndrome – Sixth International Conference*, Chantilly, Virginia, January, 2003.
94. Yoshiuchi, K., **D.B. Cook**, B. Qureishi, Y. Yamamoto, & B.H. Natelson (2003). Fractal analysis of heart rate variability during postural challenge in Chronic Fatigue Syndrome: effect of maximal exercise. Presented at the *American Association for Chronic Fatigue syndrome – Sixth International Conference*, Chantilly, Virginia, January, 2003.
95. Yoshiuchi, K., **D.B. Cook**, K. Ohashi, B. Qureishi, Y. Yamamoto, & B.H. Natelson (2003). Development of a new watch-type computer for ecological momentary assessment and application to Chronic Fatigue Syndrome Patients. Presented at the *American Association for Chronic Fatigue syndrome – Sixth International Conference*, Chantilly, Virginia, January, 2003.
96. **Cook, D.B.** (2002). Sex differences in perceived exertion among special populations. *Medicine and Science in Sports and Exercise*, 34(5 Suppl.): S202. Presented at the Annual Meeting of the American College of Sports Medicine, St. Louis, Missouri, May, 2002.
97. **Cook, D.B.**, G. Lange, D. Ciccone, W. Liu, J. Steffener, & B.H. Natelson (2002). Functional imaging of pain in fibromyalgia: central sensitization and hypervigilance. *Journal of Pain*, 3(2 Suppl.): S14. Presented at the Annual Meeting of the American Pain Society, Baltimore, Maryland, March, 2002.

98. **Cook, D.B.** (2001). Simultaneous scaling of perceived exertion and pain in healthy, fatigued, and chronic pain populations. *Medicine and Science in Sports and Exercise*, 33(5 Suppl.): S96. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, Maryland, May, 2001.
99. **Cook, D.B.**, P.R. Nagelkirk, J.J. LaManca, T. Sakowski, A. Peckerman & B.H. Natelson (2001). Perceived exertion in fatiguing illness. *Medicine and Science in Sports and Exercise*, 33(5 Suppl.): S85. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, Maryland, May, 2001.
100. Jackson, E.M., **D.B. Cook**, P.J. O'Connor & R.K. Dishman (2001). Quadriceps muscle pain responses to maximal cycle ergometry in normotensive, black women with or without a parental history of hypertension. *Medicine and Science in Sports and Exercise*, 33(5 Suppl.): S306. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, Maryland, May, 2001.
101. **Cook, D.B.**, P.R. Nagelkirk, J.J. LaManca, T. Sakowski, A. Peckerman & B.H. Natelson(2001). Perceived exertion of Gulf War veterans with and without chronic fatigue syndrome. Presented at the *Conference on Illness among Gulf War Veterans: A Decade of Scientific Research*, Alexandria, Virginia, January, 2001.
102. **Cook, D.B.**, P.J. O'Connor & C.A. Ray (2000). The effects of an opioid agonist and antagonist on muscle pain and sympathetic nerve activity during and after forearm exercise. *Medicine and Science in Sports and Exercise*, 32(5 Suppl.). Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, Indiana, May, 2000.
103. O'Connor, P.J. & **D.B. Cook** (2000). Producing and sustaining moderate intensity quadriceps muscle pain during cycle ergometry. *Medicine and Science in Sports and Exercise*, 32(5 Suppl.). Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, Indiana, May, 2000.
104. Steffener, J. & **D.B. Cook** (2000). Functional magnetic resonance imaging: an innovative research tool. Presented at the *Department of Psychiatry's Fourth Annual Research Day*, University of Medicine and Dentistry - New Jersey Medical School, Newark, New Jersey, March, 2000.
105. **Cook, D.B.** (1999). Why do muscles hurt during intense exercise? *Medicine and Science in Sports and Exercise*, 31(5 Suppl.): S90. Presented at the Annual Meeting of the American College of Sports Medicine, Seattle, Washington, May, 1999.
106. O'Connor, P.J., J.C. Smith, **D.B. Cook** & S.K. Agrawal (1998). Circadian rhythms in highly physically active and fit elderly men compared to normal elderly controls. Presented at the *Annual Meeting of the Society for Research on Biological Rhythms*, Amelia Island, Florida, May, 1998.
107. **Cook, D.B.**, P.J. O'Connor, B.T. McAuley, L.T. Wiggins, S.E. Oliver & Y. Lee (1997). Naturally occurring leg muscle pain during intense cycling exercise: gender differences.

Presented at the *Annual Meeting of the American Pain Society*, New Orleans, Louisiana, October, 1997.

108. Smith, J.C., **D.B. Cook**, P.J. O'Connor & S.K. Agrawal (1997). Circadian pacemaker evoked changes in blood pressure and heart rate in fit elderly men. *Medicine and Science in Sports and Exercise*, 29(5 Suppl.): S141. Presented at the Annual Meeting of the American College of Sports Medicine, Denver, Colorado, May, 1997.
109. **Cook, D.B.**, P.J. O'Connor & S.A. Eubanks (1996). Effects of acetylsalicylic acid on leg muscle pain during and after ramped cycle ergometry. *Medicine and Science in Sports and Exercise*, 28(5 Suppl.): S57. Presented at the Annual Meeting of the American College of Sports Medicine, Cincinnati, Ohio, May, 1996.
110. Smith, J.C., **D.B. Cook** & P.J. O'Connor (1996). Pain, perceived exertion, and personality during brief, maximal forearm contractions in women. *Medicine and Science in Sports and Exercise*, 29(5 Suppl.): S57. Presented at the Annual Meeting of the American College of Sports Medicine, Cincinnati, Ohio, May, 1996.
111. O'Connor, P.J., **D.B. Cook** & J.C. Smith (1995). Relationships between pain, personality and performance during maximal cycle ergometry. Presented at the *Annual Meeting of the American Psychological Association*, New York, New York, August, 1995.
112. **Cook, D.B.**, P.J. O'Connor & J.C. Smith (1995). Perception of leg muscle pain during ramped cycle ergometry *Medicine and Science in Sports and Exercise*, 28(5 Suppl.). Presented at the Annual Meeting of the American College of Sports Medicine, Minneapolis, Minnesota, May, 1995.
113. O'Connor, P.J. & **D.B. Cook** (1993). Anxiety reductions following exercise are not mediated by muscle contraction type. *Medicine and Science in Sports and Exercise*, 25(5 Suppl.): S46. Presented at the Annual Meeting of the American College of Sports Medicine, Seattle, Washington, May, 1993.

TEACHING & MENTORSHIP

Classroom Teaching:

| | | |
|---------------|---------|--|
| 2018 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2018 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2017 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2017 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2016 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2015 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2015 – Spring | 742-800 | Seminar in Exercise Psychology (Neurobiology of Exercise and Aging) |
| 2015 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2014 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2014 – Spring | 742-350 | Introduction to Exercise Psychology |

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| 2013 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2013 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2013 – Spring | 742-800 | Seminar in Exercise Psychology |
| 2012 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2012 – Spring | 742-350 | Introduction to Exercise Psychology |
| | 742-700 | Psychological Effects of Exercise |
| 2011 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2011 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2010 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2010 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2009 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2009 – Spring | 742-350 | Introduction to Exercise Psychology |
| 2008 – Fall | 742-350 | Introduction to Exercise Psychology |
| 2008 – Spring | 742-700 | Psychological Effects of Exercise |

Mentored Independent Study:

| | | |
|---------------|---------|--|
| 2016 – Fall | 742-699 | Undergraduate Independent Study (Dan Voltz) |
| 2016 – Fall | 742-699 | Undergraduate Independent Study (Bart Houston) |
| 2016 – Spring | 742-699 | Undergraduate Independent Study (Eric Steffes) |
| 2015 – Spring | 742-399 | Undergraduate Independent Study (Amanda Paige Reisner) |
| 2014 – Spring | 742-399 | Undergraduate Independent Study (Eric Robert Lee) |
| | 742-399 | Undergraduate Independent Study (William ‘Max’ Nonnamaker) |
| 2011 – Fall | 742-300 | Undergraduate Practicum (Charles Allison) |
| | 742-399 | Undergraduate Independent Study (Ryan Dougherty) |
| | 742-990 | Graduate Research or Thesis (Morgan Shields) |
| | 742-990 | Graduate Research or Thesis (Jacob Meyer) |
| 2011 – Summer | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Jacob Meyer) |
| | 742-999 | Graduate Independent Reading (Morgan Shields) |
| 2011 – Spring | 742-399 | Undergraduate Independent Study (Bradie Ewing) |
| | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Jacob Meyer) |
| | 742-999 | Graduate Independent Reading (Morgan Shields) |
| 2010 – Fall | 742-699 | Undergraduate Independent Study (Alexa Elise Kuffle) |
| | 742-900 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-999 | Graduate Independent Reading (Jacob Meyer) |
| 2010 – Summer | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Jacob Meyer) |
| 2010 – Spring | 742-699 | Undergraduate Independent Study (Alexa Elise Kuffle) |
| | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Jacob Meyer) |
| 2009 – Fall | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| 2009 – Summer | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Michael McLoughlin) |
| 2009 – Spring | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Michael McLoughlin) |
| 2008 – Fall | 742-990 | Graduate Research or Thesis (Laura Ellingson) |

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| 2008 – Summer | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| 2008 – Spring | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| | 742-990 | Graduate Research or Thesis (Michael McLoughlin) |
| 2007 – Fall | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| 2007 – Summer | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| 2007 – Spring | 742-990 | Graduate Research or Thesis (Laura Ellingson) |
| 2006 – Fall | 742-999 | Graduate Independent Study (Laura Ellingson) |
| 2006 – Spring | 742-990 | Graduate Research or Thesis (Laura Ellingson) |

Non-Credit Instruction (Classroom Lectures):

| | | |
|---------------|---------------------|---|
| 2017 – Spring | 742-119 | Introduction to Kinesiology |
| 2016 - Fall | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| 2015 – Spring | 742-119 | Introduction to Kinesiology |
| | 742-900 | Kinesiology Graduate Seminar |
| 2014 - Fall | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| 2013 - Fall | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| 2012 - Fall | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| 2010 – Fall | 742-119 | Introduction to Kinesiology |
| | 742-900 | Kinesiology Graduate Seminar |
| | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| | | Neurobiology of Pain Didactic Course |
| 2010 – Summer | 742-119 | Introduction to Kinesiology |
| 2010 – Spring | 742-119 | Introduction to Kinesiology |
| | 742-330 | Measurement and Motor Behavior |
| 2009 – Fall | 742-119 | Introduction to Kinesiology |
| | 742-330 | Measurement and Motor Behavior |
| | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| | | Neurobiology of Pain Didactic Course |
| 2009 – Summer | 742-119 | Introduction to Kinesiology |
| 2009 – Spring | 742-119 | Introduction to Kinesiology |
| 2008 – Fall | 742-119 | Introduction to Kinesiology |
| | 742-615 | Exercise Physiology, Laboratory Methods Lab Section |
| | 742-900 | Kinesiology Graduate Seminar |
| | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| | | Neurobiology of Pain Didactic Course |
| 2007 – Fall | 742-600 | Advanced Exercise Psychology |
| | 742-615 | Exercise Physiology, Laboratory Methods Lab Section |
| | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |
| 2007 – Spring | 742-330 | Measurement and Motor Behavior |
| 2006 – Fall | 742-350 | Introduction to Exercise Psychology |
| | 742-900 | Kinesiology Graduate Seminar |
| | Neuro 675/Psych 711 | Neuroimaging of Cognitive Disorders |

Thesis and Dissertation Supervision

Current Advisees:

PhD:

2015-present Ryan Dougherty
2015-present Stephanie Van Riper

MS:

2017-present Jacob Ninneman

Graduated Ph.D. Advisees:

2011 Laura Ellingson Dissertation Title: "Exercise-Induced Modulation of Pain Sensitivity in Healthy Women"
2015 Jacob Meyer Dissertation Title: "Physical Activity, Exercise and BDNF in Depressed Patients – A Study of the Acute Effects of Exercise Intensity on Mood"
2015 Morgan Shields Dissertation Title: "Cognition Across a Competitive Season in Collegiate Rowers"

Graduates M.Sc. Advisees:

2009 Michael McLoughlin Thesis Title: "Measurement of Physical Activity and its Relationship to Central Processing of Pain in Fibromyalgia"
2011 Jacob Meyer Thesis Title: "Metabolite, Adrenergic and Immune Receptor Regulation in Chronic Fatigue Syndrome Following Maximal Exercise"
2015 Ryan Dougherty Thesis Title: "Cardiorespiratory Fitness, Hippocampal Volume and Memory in an at-risk Alzheimer's Disease Population"
2015 Stephanie Van Riper Thesis Title: "Investigation of Cerebral White Matter Integrity and Physical Activity Behaviors in Gulf War Veterans with Chronic Musculoskeletal Pain"

Post-Doctoral Advisees:

2009 Aaron J. Stegner
2012 Laura D. Ellingson
2015-2017 Jacob Meyer
2015-present Jake Lindheimer

Visiting Scholars:

2015 Victor Segura Jimenez – University of Granada (Spain)
-awarded a grant to study in Exercise Psychology lab for Summer 2015

PROFESSIONAL SERVICE

General Professional Service (Grant Reviews, Committees & Chair Positions):

1999 Co-Chair, Symposium, *Annual Meeting, American College of Sports Medicine*

2000 Program Chair, *Annual Meeting, American College of Sports Medicine*

2001 Acting Chairman, *Psychobiology and Behavior Interest Group*

2001-2010 Co-Chairman, *Psychobiology and Behavioral Interest Group, American College of Sports Medicine*

2001 Expert Panel Member, *Annual Meeting, American College of Sports Medicine*

2001-present Exercise and pain consultant, Clinical Core, *War Related Illness and Injury Study Center*

2004 National Institute of Health Special Emphasis Panel Grant Review Committee member

2004 National Institute of Health Fatigue Workshop invitee, Airlie, VA

2004 Co-Chairman for the International Life Sciences Institute (ILSI) conference on Mental Energy

2004 Participant, National Institute of Health (NIAMS) workshop: Fibromyalgia Workshop: The Next Advances, Washington, DC

2005 National Institute of Health Chronic Fatigue Syndrome – Fibromyalgia Syndrome - Special Emphasis Panel Grant Review Committee member, November 11, 2005

2006 National Institute of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) - Centers of Research Translation (CORT) - Special Emphasis Panel Grant Review Committee member, March, 2006

2006-present Advisory Board member – Wisconsin Chronic Fatigue Syndrome Association

2007 National Institute of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), NIH Trigeminal Pain RFA Review Panel member

2007 Program Chair, *Annual Meeting, American College of Sports Medicine*

2007 Participant/Presenter, *VA Pain Research Summit, September, 2007*

2008 Speaker, The 5th Scientific Meeting of the TMJ Association, June, 2008

2009 Program Chair, *Annual Meeting, American College of Sports Medicine*

2009 National Institute of Health Chronic Fatigue Syndrome – Fibromyalgia Syndrome – Temporomandibular Disorders - Special Emphasis Panel Grant Review Committee member, February 27, 2009

2009 National Institute of Health Chronic Fatigue Syndrome – Special Emphasis Panel Small Grant Review Committee member, September 23, 2009

2010 National Institute of Health Chronic Fatigue Syndrome, Fibromyalgia Syndrome, Temporomandibular Disorders – CSR Special Emphasis Panel Review Committee member, February 16, 2010

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| 2010-2014 | Appointment to the Chronic Fatigue Syndrome Advisory Committee (CFSAC), a Federal Advisory Committee of the Department of Health and Human Services |
| 2010-2016 | Chair <i>Psychobiology and Behavioral Interest Group, American College of Sports Medicine</i> |
| 2011 | Institute for Clinical and Translational Research (ICTR) Pilot Grant Program Reviewer |
| 2012-present | Department of Veterans Affairs, Office of Research and Development - Special Emphasis panel for Research on Gulf War Veterans' Illnesses grant review committee member |
| 2012 | Symposium Chair, <i>Annual Meeting of the American Pain Society</i> |
| 2012 | Moderator, Preconference Education break-out session at the ACR/ARHP Annual Meeting |
| 2013 | Chair, thematic Poster Session, <i>Annual Meeting of the American College of Sports Medicine</i> |
| 2013 | Chapter Editor, Physical activity and pain: Neurobiological mechanisms. In: Handbook of Physical Activity and Mental Health |
| 2014 | Chair, Slide Session (Cognition), <i>Annual Meeting of the American College of Sports Medicine</i> |
| 2014 | Chair, Slide Session (RPE), <i>Annual Meeting of the American College of Sports Medicine</i> |
| 2014 | National Institute of Health Chronic Fatigue Syndrome - Special Emphasis Panel Grant Review Committee member, January 16, 2014 |
| 2014-2015 | Chairman of the Chronic Fatigue Syndrome Advisory Committee (CFSAC), Research Workgroup |
| 2014-2015 | Chair, Cross-disciplinary teaching initiative group - Part of the tactical planning outcomes for the Department of Kinesiology, University of Wisconsin - Madison |
| 2015 | Department of Veterans Affairs, Office of Research and Development - Special Emphasis panel for Research on Gulf War Veterans' Illnesses grant review committee member |
| 2016-2017 | Chairman of the Chronic Fatigue Syndrome Advisory Committee (CFSAC), Stakeholder Engagement Workgroup |
| 2016 | National Institute of Health Myalgic Encephalomyelitis/Chronic Fatigue Syndrome - CSR Special Emphasis Panel Review Committee member, August, 2016 |
| 2017 | Member of the NINDS ME/CFS CDE Working Group to develop data standards (i.e. Common Data Elements) for clinical research studies of ME/CFS |
| 2017 | Member of the Chronic Overlapping Pain Conditions (COPCs) working group within the NIH Pain Consortium. This group is charged with developing standardized survey tools to identify COPCs. |

2017 Chair, Slide Session (Exercise Psychology), *Annual Meeting of the American College of Sports Medicine*

2017 Chair, Slide Session (Perception of Effort, Pain and Fatigue), *Annual Meeting of the American College of Sports Medicine*

2017 Member, Social Sciences *Fall Competition Committee*

2017 Member, School of Education, *Grand Challenges Award Committee*

2017 NIH Review Panel – NINDS

2017 UW-Madison, Department of Kinesiology, Full Professor Review Committee

2017-present Collaborator on a F31 graduate fellowship grant application of Jessica Gorzelitz

2017-present Collaborator on a F31 graduate fellowship grant application of Kevin Crombie

2017-present Member, Named Lecture Committee, UW-Madison, Department of Kinesiology

2017-2018 Member Gulf War Illness Common Data Elements Project

2018 UW-Madison, Department of Kinesiology, Post-Tenure Review Committee

Academic Committees:

2002-2004 Alternate member, *Research and Development Committee at the Department of Veterans Affairs, New Jersey Health Care System*

2004 Dissertation Committee member for Jason R. Steffener at The New Jersey Institute of Technology (NJIT)

2005 Dissertation advisor for Karen Wenberg at Rutgers University, Newark, New Jersey campus

2005-2011 Doctoral Advisor for Laura Ellingson, Department of Kinesiology, University of Wisconsin - Madison

2006-2007 Dissertation committee member for Masataka Umeda, Department of Kinesiology, University of Wisconsin – Madison

2006-2009 Thesis committee member for Lauren Newcomb, Department of Kinesiology, University of Wisconsin – Madison

2006-2008 Masters Advisor for Michael McLaughlin, Department of Kinesiology, University of Wisconsin - Madison

2006-present Graduate Studies Committee, Department of Kinesiology, University of Wisconsin – Madison

2006-2009 Post-doctoral advisor for Aaron J. Stegner, Department of Kinesiology, University of Wisconsin - Madison

2007-2009 Alternate representative for the Department of Kinesiology on the Faculty Senate at the University of Wisconsin – Madison

2008 University of Wisconsin–Madison, Faculty Senate alternate member (District 31)

2008-2009 Department of Kinesiology, Athletic Training Faculty Search Committee

2009-present Health Sciences Institutional Review Board Committee Member

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| 2009-2011 | Thesis committee member for Matt Knauf, Department of Kinesiology, University of Wisconsin – Madison |
| 2009-2011 | Thesis committee member for Petrolina Sims, Department of Kinesiology, University of Wisconsin – Madison |
| 2009-2011 | Masters Advisor for Jacob Meyer, Department of Kinesiology, University of Wisconsin - Madison |
| 2010-2015 | Doctoral Advisor for Morgan Shields, Department of Kinesiology, University of Wisconsin – Madison |
| 2011-2014 | Post-doctoral advisor for Laura Ellingson, Department of Kinesiology, University of Wisconsin - Madison |
| 2011-2013 | Thesis committee member for Angelique Brellenthin, Department of Kinesiology, University of Wisconsin – Madison |
| 2012-2015 | Doctoral Advisor for Jacob Meyer, Department of Kinesiology, University of Wisconsin – Madison |
| 2012-2014 | Dissertation committee member for Greg Barton, Department of Kinesiology, University of Wisconsin – Madison |
| 2012-2015 | Masters Advisor for Stephanie Van Riper, Department of Kinesiology, University of Wisconsin – Madison |
| 2013-2015 | Masters Advisor for Ryan Dougherty, Department of Kinesiology, University of Wisconsin – Madison |
| 2013 | K-award mentor for Elisa Torres (new Faculty in Nursing School) |
| 2013-2018 | Mentor committee member for Dr. David Bell, Assistant Professor, Department of Kinesiology, UW-Madison |
| 2013-2017 | Dissertation committee member for Angelique Brellenthin, Department of Kinesiology, University of Wisconsin – Madison |
| 2013-2014 | <i>ad hoc</i> Tenure Review Committee for Assistant Professor Corinna Burger |
| 2013-2014 | Chair, Department of Kinesiology, Physical Activity Epidemiology, Search Committee |
| 2014 | Tactical Planning Committee retreat committee member for the Department of Kinesiology, University of Wisconsin – Madison |
| 2014-present | Mentor committee member for Dr. Brittany Travers, Assistant Professor, Department of Kinesiology, UW-Madison |
| 2014-2016 | Undergraduate Studies Committee, Department of Kinesiology, University of Wisconsin – Madison |
| 2015-2017 | Dissertation committee member for Stephanie Kulow (Trigsted), Department of Kinesiology, University of Wisconsin – Madison |
| 2015 | Dissertation defense opponent for Henrik Bjarke Vaegter, student of Thomas Graven-Nielsen, Professor at Aalborg University, Denmark |
| 2015-present | Doctoral Advisor for Stephanie Van Riper, Department of Kinesiology, University of Wisconsin – Madison |

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| 2015-present | Doctoral Advisor for Ryan Dougherty, Department of Kinesiology, University of Wisconsin – Madison |
| 2015-present | Mentor committee member for Dr. Karla Ausderau, Assistant Professor, Department of Kinesiology, UW-Madison |
| 2015-present | Mentor committee member for Dr. Jill Barnes, Assistant Professor, Department of Kinesiology, UW-Madison |
| 2015-present | Mentor committee member for Dr. Lisa Cadmus-Bertram, Assistant Professor, Department of Kinesiology, UW-Madison |
| 2016-present | Dissertation committee member for Kevin Crombie, Department of Kinesiology, University of Wisconsin – Madison |
| 2016-2017 | Dissertation Defense Examiner for Matthew Jones, student of Benjamin Barry, Professor, UNSW Australia, Sydney, Australia |
| 2017 | Dissertation jury member for Jeroen Kregel, student of Mira Meeus, Universiteit, Gent, Belgium |
| 2017-present | Thesis committee member for Adam Corkery, Department of Kinesiology, University of Wisconsin – Madison |

Manuscript Review Activities:

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| 1997-present | <i>Medicine and Science in Sports and Exercise</i> |
| 1999-2001 | <i>The American Journal of Medicine and Sports</i> (Editorial Board Member) |
| 2000 | <i>The Wellcome Trust</i> (Application for Exercise Equipment Grant) |
| 2000-present | <i>International Journal of Sports Medicine</i> |
| 2001-present | <i>Psychosomatic Medicine</i> |
| 2001 | “Introduction to the Psychology of Physical Activity”, an exercise and physical activity text book being published by McGraw-Hill Higher Education |
| 2002-present | <i>Clinical Journal of Pain</i> |
| 2003-present | <i>Psychophysiology</i> |
| 2003-present | <i>Pain</i> |
| 2003-present | <i>Psychology of Sport and Exercise</i> |
| 2003-present | <i>Journal of Sport and Exercise Psychology</i> |
| 2003-present | <i>International Journal of Sport and Health Sciences</i> |
| 2003-present | <i>British Journal of Sports Medicine</i> |
| 2003-present | <i>Journal of Pain</i> |
| 2003-present | <i>Journal of the Neurological Sciences</i> |
| 2003-present | <i>Brain Research</i> |
| 2004-present | <i>Sports Medicine</i> |
| 2004-present | <i>Brain</i> |
| 2005-present | <i>Arthritis and Rheumatology</i> |
| 2010-present | <i>Canadian Medical Association Journal</i> |
| 2010-present | <i>Neuroimage</i> |
| 2010-present | <i>Progress in Neurobiology</i> |

2013-present *Archives of Physical Medicine and Rehabilitation*
2013-present *Evidenced-Based Complementary and Alternative Medicine*
2014-present *Fatigue Biomedicine, Health & Behavior*
2016-present *Plos One*
2016-present *Brain, Behavior and Immunity*
2016-present *Current Sports Medicine Reports*

Current Professional Affiliations

American College of Sports Medicine

American Pain Society

International Association for Chronic Fatigue Syndrome

Academy of Behavioral Medicine Research