

## CURRICULUM VITAE

Dane B. Cook

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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

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**

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 – 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.

## **RESEARCH AND PUBLICATIONS**

1. Dougherty, R.J., O.C. Okonkwo, D.B. Cook (In Preparation). The value of Oxygen Uptake Efficiency Slope for Cardiorespiratory Fitness Testing in Older Adults. *Medicine & Science in Sports & Exercise*

2. Lindheimer, J., J.D. Meyer, R. J. Dougherty, M.R. Shields, L.D. Ellingson, A.J. Stegner & **D.B. Cook** (In Press). Post-exertion malaise: Variability of symptoms across two studies of chronic fatigue syndrome patients. *Fatigue, Biomedicine & Behavior*
3. Dougherty, R.J., S.A. Schultz, T.K. Kirby, E.A. Boots, J.M. Oh, D.F. Edwards, C.L. Gallagher, C.M. Carlsson, B.B. Bendlin, S. Asthana, M.A. Sager, B.P. Hermann, B.T. Christian, S.C. Johnson, **D.B. Cook**, O. Okonkwo (In Press). Moderate physical activity is associated with cerebral glucose metabolism in adults at risk for AD. *Journal of Alzheimer's Disease*
4. Klaren RE, **D.B. Cook** DB & R.W. Motl (In Submission). Do persons with multiple sclerosis accurately perceive effort during exercise? *Multiple Sclerosis Journal*
5. Van Riper, S. & **D.B. Cook** (In Submission). Cerebral White Matter Structure is Disrupted in Gulf War Veterans with Chronic Musculoskeletal Pain. *Pain*
6. Shields, M.R. M. A. Brooks, K.F. Koltyn, J. Kim & **D.B. Cook** (In Revision). Cognitive Resilience and Psychological Responses Across a Collegiate Rowing Season. *Medicine and Science in Sports and Exercise*
7. McDowell, C.P, **D.B. Cook** & M.P. Herring (In Press). The Effects of Exercise Training on Anxiety in Fibromyalgia Patients: A Quantitative Synthesis. *Medicine and Science in Sports and Exercise*
8. Ellingson, L.D., A.J. Stegner, I.J. Schwabacher, & **D.B. Cook** (In Review). Catastrophizing interferes with pain modulation in women with fibromyalgia. *European Journal of Pain*.
9. **Cook, D.B.**, A. Light, K. Light, G. Broderick, M.R. Shields, R.J. Dougherty, J.D. Meyer, S.V. Van Riper, A.J. Stenger, L.D. Ellingson & S.D. Vernon (In Press). Functional Neural Consequences of Post-Exertion Malaise in ME/CFS. *Brain, Behavior and Immunity*
10. Shultz, S.A., E.A. Boots, B.F. Darst, H. Zetterberg, K. Blennow, D.F. Edwards, R.L. Kosciak, C.M. Carlsson, C.L. Gallagher, B.B. Bendlin, S. Asthana, M.A. Sager, K.J. Hogan, B.P. Hermann, **D.B. Cook**, S.C. Johnson, C.D. Engelman, O.C. Okonkwo (2017). Cardiorespiratory fitness alters the influence of a polygenic risk score on biomarkers of AD. *Neurology*. 10-1212.
11. Bell, D., S. Trigsted, E. Post, J. Hart, L. Cadmus-Bertram, **D.B. Cook** (In Press). Objectively Measured Physical Activity in Patients after ACL Reconstruction. *American Journal of Sports Medicine*.
12. Dougherty, R.J., S.A. Schultz, E.A. Boots, L.D. Ellingson, J.D. Meyer, S. Van Riper, A.J. Stegner, D.F. Edwards, J.M. Oh, J. Einerson, C.E. Korcarz, R.L. Kosciak, M.N. Dowling, C.L. Gallagher, C.M. Carlsson, H.A. Rowley, B.B. Bendlin, S. Asthana, B.P. Hermann, M.A. Sager, J.H. Stein, S.C. Johnson, O.C. Okonkwo, **D.B. Cook** (In Press). Cardiorespiratory fitness is associated with hippocampal volume and episodic memory in a population at risk for Alzheimer's disease. *Brain and Behavior*.
13. Law, L.L., S.A. Schultz, E.A. Boots, J. Einerson, R.J. Dougherty, J.M. Oh, C.E. Korcarz, D.F. Edwards, R.L. Kosciak, M.N. Dowling, Catherine L. Gallagher, B.B. Bendlin, C.M. Carlsson, S. Asthana, B.P. Hermann, M.A. Sager, S.C. Johnson, **D.B. Cook**, J.H. Stein, O.C. Okonkwo. (2016)

Chronotropic response and cognitive function in a cohort at-risk for Alzheimer's disease. *Journal of Alzheimer's Disease*, 56(1), 351-359. DOI:10.3233/JAD-160642

14. Meyer, J.D., K.F. Koltyn, A.J. Stegner, J-S Kim & **D.B. Cook** (2016). Relationships between serum BDNF and the antidepressant effect of acute exercise in depressed women. *Psychoneuroendocrinology*. 74, 286-294.
15. Brellenthin A.G., K.M. Crombie, **D.B. Cook**, N. Sehgal & K.F. Koltyn. (2016). Psychosocial Influences on Exercise-Induced Hypoalgesia. *Pain Medicine*, 0, 1-13. pnw275.
16. Janal, M.N., K.G. Raphael, **D.B. Cook**, D.A. Sirois, L. Nemelivsky & R. Staud (2016). Thermal temporal summation and decay of after-sensations in temporomandibular myofascial pain patients with and without comorbid fibromyalgia. *Journal of Pain Research*, 9, 641-652.
17. Ellingson, L.D., A.J. Stegner, I.J. Schwabacher, K.F. Koltyn & **D.B. Cook** (2016). Exercise strengthens central nervous system modulation of pain in Fibromyalgia. *Brain Sciences*. 6(1), 8; doi:10.3390/brainsci6010008.
18. Meyer, J.D., L.D. Ellingson, K.F. Koltyn, A.J. Stegner, Jee-Seon Kim & **D. B. Cook** (2016). Psychobiological responses to preferred and prescribed intensity exercise in MDD. *Medicine and Science in Sports and Exercise*. 48(11), 2207-2215. DOI: 10.1249/MSS.0000000000001022
19. Dougherty, R.D., L.D. Ellingson, S.A. Schultz, E.A. Boots, J.D. Meyer, J.B. Lindheimer, A.J. Stegner, S. Van Riper, D.F. Edwards, J. M. Oh, R.L. Koscik, M.N. Dowling, C.L. Gallagher, C. M. Carlsson, H.A. Rowley, B.B. Bendlin, S. Asthana, B. P. Hermann, M.A. Sager, S.C. Johnson, O.C. Okonkwo, & **D.B. Cook** (2016). Meeting physical activity recommendations may be protective against temporal lobe atrophy in older adults at risk for Alzheimer's disease. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*. 4, 14-17.
20. Ellingson, L.D., J.D. Meyer & **D.B. Cook** (2016). Wearable technology reduces prolonged bouts of sedentary behavior. *Translational Journal of the American College of Sports Medicine*. 1(2), 10-17. doi: 10.1249/TJX.0000000000000001
21. Meyer, J.D., K.F. Koltyn, A.J. Stegner, Jee-Seon Kim, & **D.B. Cook** (2016). Influence of exercise intensity for improving depressed mood in depression: A dose-response study. *Behavior Therapy*. 47(4), 527-537.
22. Ellingson, L.D., I.J. Schwabacher, Y. Kim, G.J. Welk, & **D.B. Cook** (2016). Validity of an integrative method for processing physical activity data. *Medicine and Science in Sports and Exercise*. 48(8), 1629-1638, DOI: 10.1249/MSS.0000000000000915.
23. Zgierska, A.E. C.A. Burzinski, J. Cox, J. Kloke, A. Stegner, **D.B. Cook**, J. Singles, S. Mirgain, C.L. Coe, M. Bačkonja, (2016). Mindfulness Meditation and Cognitive Behavioral Therapy Intervention Reduces Pain Severity and Sensitivity in Opioid-Treated Chronic Low Back Pain: Findings from a Pilot Randomized Controlled Trial. *Pain Medicine*. 17(10), 1865-1881, doi: 10.1093/pm/pnw006.
24. Zgierska, A., C.A. Burzinski, J. Cox, J. Kloke, A. Stegner, **D.B. Cook**, J. Singles, S. Mirgain, C. Coe, M. Bačkonja. (2016). Mindfulness meditation-based intervention is feasible, acceptable, and

safe for chronic low back pain requiring long-term daily opioid therapy. *The Journal of Alternative and Complimentary Medicine*. 22(8), 610-620, doi:10.1089/acm.2015.0314.

25. Shukla, S.K., **D.B. Cook**, J. Meyer, S.D. Vernon, T. Le, D. Clevidence, C. Robertson, S. Schrodi, S. Yale, & D. Frank. (2015). Changes in Gut and Plasma Microbiome Following Exercise Challenge in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS). *PLoS ONE*. 10(12), 1-15, E0145453.
26. 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.
27. Boots, E.A., S.A. Schultz, J.M. Oh, J. Larson, D. Edwards, **D.B. Cook**, R.L. Kosciak, M.N. Dowling, C.L. Gallagher, C.M. Carlsson, H.A. Rowley, B.B. Bendlin, A. LaRue, S. Asthana, B.P. Hermann, M.A. Sager, S.C. Johnson & O. Okonkwo (2015). Cardiorespiratory fitness is associated with brain structure, cognition and mood in a middle-aged cohort at risk for Alzheimer's disease. *Brain Imaging and Behavior*. 9(3), 639-649. DOI 10.1007/s11682-014-9325-9
28. Koltyn, K.F., A.G. Brellenthin, **D.B. Cook**, N. Sehgal & C. Hillard (2014). Mechanisms of exercise-induced hyperalgesia. *Journal of Pain*. 15(12): 1294-1304.
29. Okonkwo, O, S. Schultz, J. Oh, J. Larson, D. Edwards, **D.B. Cook**, R. Kosciak, C.L. Gallagher, N.M. Dowling, C. Carlson, B. Bendlin, A. LeRue, H. Rowley, B. Christian, S. Asthana, B. Hermann, S. Johnson & M. Sager (2014). Physical activity attenuates age-related biomarker alteration in preclinical AD. *Neurology*. 83(19): 1753-1760.
30. 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.
31. 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.
32. 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.
33. Akifumi, K., 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.
34. 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.
35. 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.

36. 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.
37. 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.
38. **Cook, D.B.**, A.J. Stegner, P.R. Nagelkirk, J.D. Meyer<sup>a</sup>, F. Togo<sup>d</sup> & 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. **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.
48. 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.
49. 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.

50. 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. Charlinton (Ed.). Chapter 4, pp. 99-112. Nova Science Publishers Inc.
51. 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.
52. **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.
53. **Cook, D.B.**, A.J. Stegner & M. McLoughlin (2007). Functional neuroimaging of fibromyalgia. *Current Pain and Headache Reports* 11: 190-200.
54. **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.
55. **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.
56. **Cook, D.B.** and J.M. Davis (2006). Mental energy: Defining the science. *Nutrition Reviews*, July 2006, (II) Supplement: S1.
57. 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 Festschrift for William P. Morgan", Dishman, R.K. & P.J. O'Connor (Editors) *International Journal of Sport and Exercise Psychology* 4: 534-553.
58. **Cook, D.B.**, P.R. Nagelkirk, B. Quresihi, A. Peckerman, A. Poluri, J. Mores, & B.H. Natelson (2005). Exercise and neurocognitive performance in chronic fatigue syndrome. *Medicine and Science in Sports and Exercise* 37 (9): 1460-1467.
59. Lange, G., J. Steffener, **D.B. Cook**, B.M. Bly, C. Christodoulou, W.C. Liu, J. DeLuca & B.H. Natelson (2005). Objective evidence of cognitive complaints in chronic fatigue syndrome: a BOLD fMRI study of verbal working memory. *Neuroimage* 26: 513-524.
60. Lange, G., **D.B. Cook**, & B.H. Natelson (2005). Rehabilitation and treatment of fatigue. In: DeLuca, J. (Editor). Fatigue as a Window to the Brain. Chapter 18, pp. 301-316, The MIT Press, Cambridge, MA.
61. Poluri, A.P., J. Mores, **D.B. Cook**, T.W. Findley, & A. Cristian (2005). Fatigue in the elderly population. In: Christian, A. & G.H. Kraft (Eds.). Aging with Disability. *Physical Medicine and Rehabilitation Clinics of North America*. Vol. 16 (1), pp. 91-108, W.B. Saunders, Philadelphia, PA.
62. Liu, W.C., S.C. Feldman, D.L. Hung, **D.B. Cook**, A. Kalnin & B.R. Komisaruk (2004). FMRI study of acupuncture-induced periaqueductal gray activity in humans. *Neuroreport*. 15 (12): 1937-1940.

63. **Cook, D.B.**, E.M. Jackson, P.J. O'Connor, & R.K. Dishman (2004). Muscle pain during exercise in normotensive black women: effect of parental history of hypertension. *Journal of Pain*. 5 (2):111-118.
64. **Cook, D.B.**, G.L. Lange, D.S. Ciccone, W.C. Liu, J. Steffener, & B.H. Natelson (2004). Functional imaging of pain in patients with primary fibromyalgia. *Journal of Rheumatology*. 31: 364-378.
65. Nagelkirk, P.R., **D.B. Cook**, J.J. LaManca, T. Sakowski, A. Peckerman & B.H. Natelson (2003). Aerobic capacity of Gulf War veterans with chronic fatigue syndrome. *Military Medicine*. 168 (9):750-755.
66. **Cook, D.B.**, P.R. Nagelkirk, A. Peckerman, A. Poluri, J.J. LaManca, & B.H. Natelson (2003). Perceived exertion in fatiguing illness part 1: civilians with chronic fatigue syndrome. *Medicine and Science in Sports and Exercise*. 35(4):563-568.
67. **Cook, D.B.**, P.R. Nagelkirk, A. Peckerman, A. Poluri, J.J. LaManca, & B.H. Natelson (2003). Perceived exertion in fatiguing illness part 2: Gulf Veterans with chronic fatigue syndrome. *Medicine and Science in Sports and Exercise*. 35 (4): 569-574.
68. **Cook, D.B.** (2002). Assessing muscle pain. In V.R. Preedy & T.J. Peters (Eds.), *Skeletal Muscle: Pathology, Diagnosis and Management of Disease*. London: Greenwich Medical Media Limited, pp. 503-512.
69. O'Connor, P.J. & **D.B. Cook** (2001). Moderate intensity quadriceps muscle pain can be produced and sustained during cycle ergometry. *Medicine and Science in Sports and Exercise*. Vol. 33 (6): 1046-1051.
70. **Cook, D.B.**, G. Lange, J. DeLuca, & B.H. Natelson (2001). Relationship of brain MRI abnormalities and physical functional status in CFS. *International Journal of Neuroscience*. Vol. 107 (1-2): 1-6.
71. **Cook, D.B.**, P.J. O'Connor, & C.A. Ray (2000). The effects of an opioid agonist and antagonist on the perception of muscle pain and exertion and muscle sympathetic nerve activity (MSNA) during and after graded maximal handgrip exercise. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 279: R1565-R1573.
72. **Cook, D.B.** & K.F. Koltyn (2000). Pain and exercise. In: Exercise Psychology; R.K. Dishman (Editor), *International Journal of Sports Psychology*. Vol. 31 (2): (pp. 256-277). Rome: Edizioni Luigi Pozzi.
73. O'Connor, P.J. & **Cook, D.B.** (1999). Exercise and pain: the neurobiology, measurement, and laboratory study of pain in relation to exercise in humans. In J. O. Holloszy & D. R. Seals (Eds.), *Exercise and Sport Sciences Reviews*. Vol. 27: (pp. 119-166). Baltimore: Williams and Wilkins.
74. **Cook, D.B.**, P.J. O'Connor, S.E. Oliver & Y. Lee (1998). Sex differences in leg muscle pain and exertion during maximal cycle ergometry. *International Journal of Neuroscience*, 95: 183-202.
75. O'Connor, P.J. & **D.B. Cook** (1998). Anxiolytic and blood pressure effects of acute static compared to dynamic exercise. *International Journal of Sports Medicine*, 3: 188-192.

76. **Cook, D.B.**, P.J. O'Connor, S.A. Eubanks, J.C. Smith & M. Lee (1997). Naturally occurring muscle pain during exercise: assessment and experimental evidence. *Medicine and Science in Sports and Exercise*, 29 (8): 999-1012.
77. Bartholomew, J.B., B.P. Lewis, D.E. Linder & **D.B. Cook** (1996). Post-exercise analgesia: replication and extension. *Journal of Sports Sciences*, 14 (4): 329-334.
78. O'Connor, P.J., R.D. Lewis, E.M. Kirchner & **D.B. Cook** (1996). Eating disorder symptoms in former college gymnasts: relations with body composition. *American Journal of Clinical Nutrition*, 64 (6): 840-843.

## **RESEARCH SUPPORT**

### ***Extramural Research Support***

#### **2016-2020: "Post-exertion malaise in GWI: Brain, autonomic and behavioral interactions"**

- Role: PI
- Funding Source: Department of Veterans Affairs Merit Review (CSR&D: I01CX0011329-01)
- 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: I01 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 months 2 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 (NJCFMCR)”**

- 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***

**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

**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***

2015-2016: Contract with the Centers of Disease Control (CDC) to independently analyze exercise testing data for their chronic fatigue syndrome multi-site case definition study (\$50,000)

### ***Recently Submitted Grants:***

2017 – **“Structural Neuroimaging of Physical Activity Behaviors in Healthy Women”** was submitted to the Virginia Horne Henry Fund for Women’s Physical Education. I am the PI of the project.

2017 – **“Examination of Cognitive Fatigue in Gulf War Illness using Functional Magnetic Resonance Imaging”** Renewal of Glenn Wylie’s Merit Review. I was a Co-I on the application.

2017 – **“Acute exercise tolerance among Veterans with Gulf War Illness: A dose-response study”** was submitted as part of a Veterans Affairs, CSR&D, Career Development Award (CDA) application for Jacob Lindheimer. I serve as the primary mentor on the CDA.

2017 – **“CFS Collaborative Center Grant”**

2017 – **“The Natural Progression of Instrumented Physical Activity Monitoring after ACL Reconstruction”** was resubmitted to the National Institutes of Health R01 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 R01 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 R01 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 R03 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 R03 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. “Psychobiology of Pain and Exercise in Chronic Musculoskeletal Pain” Presented at the ***Annual Meeting of the American College of Sports Medicine***, Denver, CO, June, 2017.
2. “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.
3. “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.
4. “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.
5. “Functional and structural brain imaging of the exercise and pain paradox” Presented at the ***IFOMPT International Conference***, Glasgow, Scotland, July 2016.
6. “Psychobiology of pain, fatigue and exercise” Presented at the ***Annual Meeting of the Academy of Behavioral Medicine Research***, Whistler, BC, June, 2016.
7. “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.
8. “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.

9. "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.
10. "Deciphering post-exertion malaise" Presented as **Medical Grand Rounds at the War Related Illness and Injury Study Center**, East Orange, NJ, April, 2015.
11. "A fit brain is a healthy brain" Presented at the **Wisconsin Alzheimer's Institute (WAI), Alzheimer's Disease Annual Update**. Madison, WI, November, 2014.
12. "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.
13. "Deciphering post-exertion malaise" **Webinar given for the Solve ME/CFS Initiative**. Madison, WI, September, 2014.
14. "Psychobiology of pain and exercise in chronic musculoskeletal pain" Presented at the **1<sup>st</sup> Annual PERFORM Center Research Conference – Themed "Physical Activity and Brain Functions"**, Concordia University, Montreal, CA, May, 2014.
15. "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.
16. "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.
17. "Physical activity alters pain sensitivity in chronic musculoskeletal pain" Lecture given as part of the 18<sup>th</sup> Annual PhD Course **"Translational Neurobiology of the Pain System XVIII: Exercise and Pain"**, Aalborg University, Aalborg, Denmark, December, 2013.
18. "A fit brain is a healthy brain" Presentation given at the **12<sup>th</sup> Annual November lecture of the Wisconsin Alzheimer's Disease Research Center, "Aging Strong: Reducing your Risk for Alzheimer's"**, Madison, Wisconsin, November, 2013.
19. "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.
20. "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.
21. "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.

22. "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.
23. "Physical Activity and Muscle Pain" Symposium for the **Annual Meeting of the American Pain Society**, Honolulu, Hawaii, May, 2012.
24. "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.
25. "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.
26. "Psychobiology of pain, fatigue and exercise in CFS/ME & FM" Webinar presentation for the  
**CFIDS Association of America**, November, 2010.
27. "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.
28. "Exercise and brain research in chronic fatigue syndrome" Presentation to the **Wisconsin ME/CFS Association** annual meeting, October, 2010.
29. "Psychobiology of pain, fatigue and exercise" Presentation to the **Pain Research Group at the University of Utah**, Salt Lake City, Utah, January, 2010.
30. "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.
31. "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.
32. "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.
33. "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 **55<sup>th</sup> annual meeting of the American College of Sports Medicine (ACSM)**, Indianapolis, Indianapolis, June, 2008.
34. "Exercise, Pain and the Brain" Presentation at the **30<sup>th</sup> Annual Meeting of the Mid-Atlantic Regional Chapter of the American College of Sports Medicine**, Harrisburg, Pennsylvania,  
November, 2007

35. "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
36. "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
37. "Functional Neuroimaging of Mental Fatigue" Presentation to the ***Department of Health, Nutrition and Exercise Sciences, University of Delaware***, Newark, Delaware, March 2007
38. "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.
39. "The psychophysiology of emotion: applications to physical activity" Featured Science Session at the ***53<sup>rd</sup> annual meeting of the American College of Sports Medicine (ACSM)***, Denver, Colorado, June, 2006.
40. "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.
41. "Fibromyalgia and the central nervous system" Presentation at the ***3<sup>ème</sup> 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.
42. "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.
43. "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.
44. "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.
45. "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.
46. "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.

47. “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.
48. “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.
49. “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.
50. “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.
51. “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.
52. “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.
53. “Fibromyalgia and nociceptive dysregulation” Presentation to the departments of Psychiatry and Neuroscience at the UMDNJ-New Jersey Medical School, Newark, New Jersey, December 1999.
54. “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.
55. “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. 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.

2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Dougherty, R.J., 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.

12. 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.
13. 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.
14. **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.
15. **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.
16. 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.
17. 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.
18. Dougherty, R.J., E.A. Boots, S.A. Schultz, S.C. Johnson, O.C. Okonkwo, & **D.B. Cook**. Influence of VO<sub>2</sub>peak Criteria on Aging and Alzheimer's Research. Presented at the ***Annual Meeting of the American College of Sports Medicine***, Boston, MA, May, 2016.
19. 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.
20. 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.
21. 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.
22. Zgierska, A., C.A. Burzinski, **D.B. Cook**, A.J. Stegner & J. Kloke. Mindfulness meditation 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.
23. 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.
24. 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.
25. Schultz, S.A., R.J. Dougherty, E.A. Boots, **D.B. Cook** & O.C. Okonkwo. Cardiorespiratory capacity attenuates the influence of age and amyloid- $\beta$  on cognition. Presented at the **Annual meeting of the International Neurological Society**. Denver, CO, February, 2015.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
  32. 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.
  33. 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.
  34. 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.
  35. 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.
  36. 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.
  37. 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.
  38. 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.

39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.

50. 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.
51. 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.
52. 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.
53. 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.
54. **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.
55. 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.
56. 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.
57. 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.
58. 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.
59. 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.

60. 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.
61. **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.
62. 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.
63. **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.
64. **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.
65. **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.
66. 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.
67. **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.
68. 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.
69. Lange, G. & **D.B. Cook** (2005). Chronic Fatigue: a Brain Disease? Presented at the *International Conference on Fatigue Science*, Tokyo, Japan, February 2005.
70. **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.

71. 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.
72. **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.
73. **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.
74. **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.
75. **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.
76. **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.
77. 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.
78. 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.
79. 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.
80. 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.

81. **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.
82. **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.
83. 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.
84. **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.
85. 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.
86. 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.
87. **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.
88. **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.
89. **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.
90. **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.

91. 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.
92. **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.
93. **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.
94. 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.
95. 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.
96. **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.
97. 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.
98. **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.
99. 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.

100. **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.
101. 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.
102. 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.
103. **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.
104. 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:***

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
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)
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):***

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      |  |
| 2015 | Stephanie Van Riper |  |

**Post-Doctoral Advisees:**

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

**Visiting Scholars:**

- |      |   |
|------|---|
| 2015 | Victor Segura Jimenez – University of Granada (Spain)<br>-awarded a grant to study in Exercise Psychology lab for Summer 2015 |
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**PROFESSIONAL SERVICE**

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

- |      |   |
|------|---|
| 1999 | Co-Chair, Symposium, <i>Annual Meeting, American College of Sports Medicine</i> |
| 2000 | Program Chair, <i>Annual Meeting, American College of Sports Medicine</i>       |
| 2001 | Acting Chairman, <i>Psychobiology and Behavior Interest Group</i>               |

2001-2010	Co-Chairman, <i>Psychobiology and Behavioral Interest Group, American College of Sports Medicine</i>
2001	Expert Panel Member, <i>Annual Meeting, American College of Sports Medicine</i>
2001-present	Exercise and pain consultant, Clinical Core, <i>War Related Illness and Injury Study Center</i>
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, <i>Annual Meeting, American College of Sports Medicine</i>
2007	Participant/Presenter, <i>VA Pain Research Summit, September, 2007</i>
2008	Speaker, The 5 <sup>th</sup> Scientific Meeting of the TMJ Association, June, 2008
2009	Program Chair, <i>Annual Meeting, American College of Sports Medicine</i>
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
2010-2014	Appointment to the Chronic Fatigue Syndrome Advisory Committee (CFSAC), a Federal Advisory Committee of the Department of Health and Human Services
2010-present	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), <i>Annual Meeting of the American College of Sports Medicine</i>
2017	Chair, Slide Session (Perception of Effort, Pain and Fatigue), <i>Annual Meeting of the American College of Sports Medicine</i>

***Academic Committees:***

2002-2004	Alternate member, <i>Research and Development Committee at the Department of Veterans Affairs, New Jersey Health Care System</i>
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
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-present	Thesis committee member for Angelique Brellenthin, Department of Kinesiology, University of Wisconsin - Madison
2012-present	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-present	K-award mentor for Elisa Torres (new Faculty in Nursing School)
2013-present	Mentor committee member for Dr. David Bell, Assistant Professor, Department of Kinesiology, UW-Madison
2013-present	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-present	Dissertation committee member for Stephanie Kulow, 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
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-present	Dissertation Defense Examiner for Matthew Jones, student of Benjamin Barry, Professor, UNSW Australia, Sydney, Australia
2017-present	Dissertation jury member for Jeroen Kregel, student of Mira Meeus, Universiteit, Gent, Belgium

***Manuscript Review Activities:***

1997-present	<i>Medicine and Science in Sports and Exercise</i>
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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 Rheumatism</i>
2010-present	<i>Canadian Medical Association Journal</i>
2010-present	<i>Neuroimage</i>
2010-present	<i>Progress in Neurobiology</i>
2013-present	<i>Archives of Physical Medicine and Rehabilitation</i>
2013-present	<i>Evidenced-Based Complementary and Alternative Medicine</i>
2014-present	<i>Fatigue Biomedicine, Health &amp; Behavior</i>

### ***Current Professional Affiliations***

American College of Sports Medicine

American Pain Society

International Association for Chronic Fatigue Syndrome

Academy of Behavioral Medicine Research