Charles H. Hillman, Ph.D.

Professor
Department of Kinesiology and Community Health
University of Illinois at Urbana-Champaign

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Work Address

317 Louise Freer Hall, MC-052
906 South Goodwin Avenue
Urbana, IL 61801
Phone: 217-244-2663
Fax: 217-244-7322
Email: chhillma@illinois.edu
http://kch.illinois.edu/Research/Labs/neurocognitive-kinesiology/

Professional Experience

2013-Present	Visiting Scholar Research in Childhood Health Syddansk Universitet (University of Southern Denmark)
2012-Present	Professor Department of Kinesiology & Community Health, Department of Psychology Department of Internal Medicine, College of Medicine Affiliate of the Beckman Institute - Human Perception & Performance Division Member of the University of Illinois Neuroscience Program Member of the Division of Nutritional Sciences Member of the Center for Nutrition, Learning, and Memory University of Illinois at Urbana-Champaign, Urbana, IL
2006-2012	Associate Professor
2000-2006	Assistant Professor

Education

2000	Doctor of Philosophy Department of Kinesiology University of Maryland at College Park, College Park, MD
1997	Master of Science Department of Exercise and Sport Sciences University of Florida, Gainesville, FL
1994	Bachelor of Arts University of Miami, Coral Gables, FL

Honors

2015	Elected Fellow of the National Academy of Kinesiology
2015	Applied Health Sciences Graduate Student Mentor Award
2015	College of Agricultural, Consumer, & Environmental Sciences Team Award for Excellence
2012	King James McCristal Distinguished Scholar for the College of Applied Health Sciences
2012	27th Meiji Yasuda Life Foundation of Health and Welfare Research Grant Outstanding Research Award (Kamijo & Hillman)
2012	Society for Psychophysiological Research Student Poster Award (Eric Drollette)
2011	Applied Health Sciences Excellence in Guiding Undergraduate Research Award
2007-2014	University of Illinois List of Teachers Ranked as Excellent by Their Students
2007	University of Florida Outstanding Young Alumnus
2007	The Institute for International Sport's 100 Most Influential Sports Educators (#35)
2005-2008	National Institutes of Health, Loan Repayment Grant Program Recipient
1999-2000	National Institute of Mental Health, Ruth L. Kirschstein National Research Service Award for Individual Predoctoral Fellows (F31)

Scholarship

Publications

Edited Texts

1. Boecker, H., **Hillman, C. H.**, Scheef, L., Strüder, H. K. (2012). *Functional Neuroimaging in Exercise and Sport Sciences*. Springer Publishing Co: New York, NY: DOI: 10.1007/978-1-4614-3293-7

Chapters in Texts

1. McAuley, E., Mullens, S., & **Hillman, C.H.** (2013). The relation of aerobic fitness to brain health and cognition across the human lifespan. In P.A. Hall (Ed.), *Social Neuroscience and Public Health: Foundations of an Emerging Discipline (pp. 235-252)*. Springer Publishing Co: New York, NY. DOI: 10.1007/978-1-4614-6852-3_14

2. **Hillman, C. H.** & Erickson, K. I. (2012). Cognition, Exercise. In F.-C. Mooren & J. S. Skinner (Eds.), *The Encyclopedia of Exercise Medicine in Health and Disease.* Springer-Verlag, LLC: New York, NY.

3. **Hillman, C. H.**, Kamijo, K., & Pontifex, M. B. (2012). Effects of Exercise on Cognitive Processing Studied by ERPs in Children and Young Adults. In H. Boecker, **C.H. Hillman**, L. Scheef, H.K. Strüder (Eds.), *Functional Neuroimaging in Exercise and Sport Sciences (pp. 419-446).* Springer: New York, NY. DOI: 10.1007/978-1-4614-3293-7_18

4. Castelli, D. M. & **Hillman, C. H.** (2012). Physical activity, cognition, and school performance: From neurons to neighborhoods. In A. Meyer & T. Gullotta (Eds.), *Physical Activity Across The*

Lifespan: Prevention and Treatment for Health and Well-Being (pp. 41-64). Springer, Inc: New York, NY.

5. **Hillman, C. H.**, Buck, S. M., & Themanson, J. T. (2009). Physical activity and neurocognitive function across the lifespan. In W. Chodzko-Zajko, A.F. Kramer, & L. Poon (Eds.), *Aging Exercise, and Cognition Series: Enhancing Cognitive Functioning and Brain Plasticity, Volume III (pp. 85-110)*. Human Kinetics: Champaign, IL.

6. **Hillman, C. H.**, Pontifex, M. B., & Themanson, J. T. (2009). Acute Aerobic Exercise Effects on Event-Related Brain Potentials. In T. McMorris, M. Audiffren, & P. Tomporowski (Eds.), *Exercise and Cognition* (pp. 161-180). John Wiley and Sons, Inc: New York, NY.

7. Kramer, A. F., & **Hillman, C. H.** (2006). Aging, physical activity, and neurocognitive function. In E. Acevado & P. Ekkekakis (Eds.), *Psychobiology of Physical Activity* (pp. 45-59). Human Kinetics: Champaign, IL.

8. Janelle, C. M., & **Hillman, C. H.** (2003). Expert performance in sport: Current Perspectives and Critical Issues. In K.A. Ericsson & J. Starkes (Eds.), *Recent Advances in Research on Sport Expertise* (pp. 19-47). Human Kinetics: Champaign, IL.

9. Hatfield, B. D., & **Hillman, C. H.** (2001). The psychophysiology of sport: A mechanistic understanding of the psychology of superior performance. In R.N. Singer, H.A. Hausenblaus, & C.M. Janelle (Eds.), *Handbook of Sport Psychology* (pp. 362-386). John Wiley: New York, NY.

National Academies of Science Reports

1. IOM (Institute of Medicine of the National Academies). 2013. Educating the Student Body: Taking Physical Activity and Physical Education to School. Washington, DC: The National Academies Press.

Monographs

1. **Hillman, C. H.** (2014). The relation of childhood physical activity to brain health, cognition, and scholastic achievement. *Monographs of the Society for Research in Child Development, 79,* 1-189. (invited).

Peer Reviewed Journal Articles (In print or accepted)

1. Drollette, E. S., Scudder, M. R., Raine, L. B., Moore, R. D., Pontifex, M. B., Erickson, K. I., & **Hillman, C. H.** (in press). The sexual dimorphic association of cardiorespiratory fitness to working memory in children. *Developmental Science*.

2. Moore, R. D., Raine, L. B., Drollette, E. S., Scudder, M. R., Pindus, D. M., & **Hillman, C. H.** (in press). The persistent influence of pediatric concussion on attention and cognitive control during flanker performance. *Biological Psychology*.

3. Raine, L. B., Scudder, M. R., Saliba, B. J., Kramer, A. F., & **Hillman, C. H.** (in press). Aerobic fitness and context processing in preadolescent children. *Journal of Physical Activity & Health*.

4. Khan, N. A., Raine, L. B., Drollette, E. S., Scudder, M. R., & **Hillman, C. H.** (in press). The relation of saturated fats and dietary cholesterol to childhood cognitive flexibility. *Appetite*. (invited).

5. Berchicci, M., Pontifex, M. B., Drollette, E. S., Pesce, C., Hillman, C. H., & Di Russo F. (2015). From cognitive motor preparation to visual processing: the benefits of childhood fitness to brain health. *Neuroscience, 298,* 211-219.

6. Sandroff, B. M., **Hillman, C. H.**, & Motl, R. W. (in press). Aerobic fitness is associated with executive control in persons with multiple sclerosis. *Archives of Clinical Neuropsychology*.

7. Zuniga, K. E., Mackenzie, M., Roberts, S. R., Raine, L. B., **Hillman, C. H.**, Kramer, A. F., & McAuley, E. (in press). Relationship between fruit and vegetable intake and interference control in breast cancer survivors. *European Journal of Nutrition*.

8. Khan, N. A., Raine, L. B., Drollette, E. S., Scudder, M. R., Kramer, A. F., & **Hillman, C. H.** (in press). Dietary fiber is positively associated with cognitive control among prepubertal children. *The Journal of Nutrition*.

9. Pindus, D. M., Moore, R. D., **Hillman, C. H.**, Bandelow, S., Hogervorst, E., Biddle, S. J. H., & Sherar, L. B. (in press). The relation of moderate-to-vigorous physical activity to cognitive processing in adolescents. Findings from the ALSPAC birth cohort. *Psychological Research*. doi 10.1007/s00426-014-0612-2

10. Jaakkola, T., **Hillman, C. H.**, Kalaja, S., & Liukkonen, J. (2015). The associations among fundamental movement skills, self-reported physical activity, and academic performance during junior high school in Finland. *Journal of Sports Sciences, 33,*1719-1729. doi: 10.1080/02640414.2015.1004640

11. Scudder, M. R., Khan, N. A., Lambourne, K., Drollette, E. S., Herrmann, S., Betts, J. L., Washburn, R., Donnelly, J. E., & **Hillman, C. H.** (2015). Cognitive Control in Preadolescent Children with Risk Factors for Metabolic Syndrome. *Health Psychology, 34,* 243-252. doi: 10.1037/hea0000114

12. Sandroff, B. M., **Hillman, C. H.**, Benedict, R. H. B., & Motl, R. W. (2015). Acute effects of walking, cycling, and yoga exercise on cognition in multiple sclerosis. *Journal of Clinical and Experimental Neuropsychology, 37*, 209-219.

13. Erickson, K. I., **Hillman, C. H.**, & Kramer, A. F. (2015). Physical activity, brain, and cognition. *Current Opinions in Behaviors Sciences, 4,* 27-32. (invited).

14. Khan, N. A., Baym, C. L., Monti, J. M., Raine, L. B., Drollette, E. S., Scudder, M. R., Moore, R. D., Kramer, A. F., **Hillman, C. H.**, & Cohen, N. J. (2015). Central adiposity is negatively associated with hippocampal-dependent relational memory among overweight and obese children. *The Journal of Pediatrics, 166,* 302-308. doi: 10.1016/j.jpeds.2014.10.008

15. **Hillman, C. H.**, Khan, N. A., & Kao, S.-C. (2015). The relation of health behaviors to childhood cognition and brain health. *Annals of Nutrition & Metabolism, 66,* 1-4. (invited). doi: 10.1159/000381237

16. Khan, N. A., Raine, L. B., Drollette, E. S., Scudder, M. R., Cohen, N. J., Kramer, A. F., & **Hillman, C. H.** (2015). The relationship between total water intake and cognitive control among prepubertal children. *Annals of Nutrition & Metabolism, 66,* 38-41. (invited).

17. Wójcicki, T. R., Grigsby-Toussaint, D., **Hillman, C. H.**, Huhman, M., & McAuley, E. (2014). Facebook and physical activity behavior change in low-active adolescence: a randomized controlled trial. JMIR Research Protocols, 3, e56. doi:10.2196/resprot.3013

18. Baym, C. L., Khan, N. A., Pence, A., Raine, L. B., **Hillman, C. H.**, & Cohen, N. J. (2014). Aerobic fitness predicts relational memory but not item memory performance in healthy young adults. *Journal of Cognitive Neuroscience, 26,* 2645-2652.

19. Baym, C. L., Khan, N. A., Monti, J. M., Raine, L. B., Drollette, E. S., Scudder, M. R., Moore, R. D., Kramer, A. F., **Hillman, C. H.**, & Cohen, N. J. (2014). Dietary lipids are differentially associated with hippocampal-dependent relational memory in prepubertal children. *American Journal of Clinical Nutrition, 99,* 1026-1032.

20. Moore, R. D., Broglio, S. P., & **Hillman, C. H.** (2014). The persistent influence of concussive injuries on cognitive control and neuroelectric function. *Journal of Athletic Training, 49,* 24-35.

21. Moore, R. D., Broglio, S. P., & **Hillman, C. H.** (2014). Sport-related concussion sustained during early life influences young adults' sensory processing. *Journal of Athletic Training, 49,* 36-41.

22. Khan, N. A., & **Hillman, C. H.** (2014). The relation of childhood physical activity and aerobic fitness to brain function and cognition: a review. *Pediatric Exercise Science, 26,* 138-146 (invited).

23. **Hillman, C. H.** (2014). An introduction to the relation of physical activity to cognitive and brain health, and scholastic achievement. *Monographs of the Society for Research in Child Development, 79,* 1-6. doi: 10.1111/mono.12127

24. Chaddock-Heyman, L., **Hillman, C. H.**, Cohen, N. J., & Kramer, A. F. (2014). The importance of physical activity and aerobic fitness for cognitive control and memory in children. *Monographs of the Society for Research in Child Development, 79,* 25-50. doi: 10.1111/mono.12129

25. Khan, N. A., Raine, L. B., Donovan, S. M., & **Hillman, C. H.** (2014). The cognitive implications of obesity and nutrition in childhood. *Monographs of the Society for Research in Child Development, 79,* 51-71. doi: 10.1111/mono.12130

26. Pontifex, M. B., Kamijo, K., Scudder, M. R., Raine, L. B., Khan, N. A., Hemrick, B., Evans, E. M., Castelli, D. M., Frank, K. A., & **Hillman, C. H.** (2014). The differential association of

adiposity and fitness with cognitive control in preadolescent children. *Monographs of the Society for Research in Child Development, 79,* 72-92. doi: 10.1111/mono.12134

27. **Hillman, C. H.** (2014). Conclusions and future directions of the research on physical activity and childhood cognitive and brain health. *Monographs of the Society for Research in Child Development, 79,* 149-152. doi: 10.1111/mono.12131

28. **Hillman, C. H.**, Pontifex, M. B., Castelli, D. M., Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Moore, R. D., Wu, C.-T., Pindus, D. M., & Kamijo, K. (2014). Effects of the FITKids randomized controlled trial on executive control and brain function in children. *Pediatrics, 134,* 1063-1071.

29. Chaddock-Heyman, L., Erickson, K. I., Holtrop, J. L., Voss, M. W., Pontifex, M. B., Raine, L. B., **Hillman, C. H.**, & Kramer, A. F. (2014). Aerobic fitness is associated with greater white matter integrity in children. *Frontiers in Human Neuroscience, 8,* 1-7. doi: 10.3389/fnhum.2014.00584

30. Kamijo, K., Pontifex, M. B., Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Evans, E. M., Castelli, D. M., & **Hillman, C. H.** (2014). The negative association of childhood obesity to the cognitive control of action monitoring. *Cerebral Cortex, 24,* 654-662. doi:10.1093/cercor/bhs349

31. Moore, R. D., Drollette, E. S., Scudder, M. R., Bharij, A., & **Hillman, C. H.** (2014). The influence of cardiorespiratory fitness on strategic, behavioral, and electrophysiological indices of arithmetic cognition in preadolescent children. *Frontiers in Human Neuroscience, 8 (258),* 1-14. doi: 10.3389/fnhum.2014.00258

32. Scudder, M. R., Lambourne, K., Drollette, E. S., Herrmann, S., Washburn, R., Donnelly, J. E., & **Hillman, C. H.** (2014). Aerobic capacity and cognitive control in elementary school-age children. *Medicine & Science in Sports & Exercise, 46*, 1025-1035. doi: 10.1249/MSS.0000000000000199

33. Scudder, M. R., Federmeier, K. D., Raine, L. B., Direito, A., Boyd, J. K., & **Hillman, C. H.** (2014). The association between aerobic fitness and language processing in children: implications for academic achievement. *Brain & Cognition, 87,* 140-152.

34. Khan, N. A., Raine, L. B., Drollette, E. S., Scudder, M. R., Pontifex, M. B., Castelli, D. M., Donovan, S. M., Evans, E. M., & **Hillman, C. H.** (2014). Impact of the FITKids physical activity intervention on adiposity in prepubertal children. *Pediatrics, 133,* 875-883. doi: 10.1542/peds.2013-2246

35. Hayes, D., Spano, M., Donnelly, J. E., **Hillman, C. H.**, & Kleinman, R. (2014). Proceedings of the learning connection summit: nutrition, physical activity, and student achievement. *Nutrition Today, 49,* 18-25.

36. Drollette, E. S., Scudder, M. R., Raine, L. B., Moore, R. D., Saliba, B. J., Pontifex, M. B., & **Hillman, C. H.** (2014). Acute exercise facilitates brain function and cognition in children who

need it most: an ERP study of individual differences in inhibitory control capacity. *Developmental Cognitive Neuroscience, 7,* 53-64. doi:10.1016/j.dcn.2013.11.001

37. Raine, L. B., Lee, H. K., Saliba, B. J., Chaddock-Heyman, L., **Hillman, C. H.**, & Kramer, A. F. (2013). The influence of childhood aerobic fitness on learning and memory. *PLOS ONE, 8,* 1-6. doi:10.1371/journal.pone.0072666

38. Wu, C.-T., & **Hillman, C. H.** (2013). Aerobic fitness and the attentional blink in preadolescent children. *Neuropsychology, 27,* 642-653. doi: 10.1037/a0034025

39. Chaddock-Heyman, L., Erickson, K. I., Voss, M. W., Powers, J. P., Knecht, A. M., Pontifex, M. B., Drollette, E. S., Moore, R. D., Raine, L. B., Scudder, M. R., **Hillman, C. H.**, & Kramer, A. F. (2013). White matter microstructure is associated with cognitive control in children. *Biological Psychology, 94,* 109-115.

40. Gothe, N., Pontifex, M. B., **Hillman, C. H.**, & McAuley, E. (2013). The effects of a single bout of yoga on inhibitory control and memory. *Journal of Physical Activity & Health, 10,* 48-495.

41. Gomez-Pinilla, F. & **Hillman, C. H.** (2013). The influence of exercise on cognitive abilities. *Comprehensive Physiology, 3,* 403-428. DOI: 10.1002/cphy.c110063

42. Bailey, R., **Hillman, C. H.**, Arent, S., & Petitpas, A. (2013). Physical activity: an underestimated investment in human capital? *Journal of Physical Activity and Health, 10,* 289-308.

43. Donnelly, J. E., Greene, J. L., Gibson, C. G., Sullivan, D. K., Hansen, D. M., **Hillman, C. H.**, Poggio, J., Mayo, M. S., Smith, B. K., Lambourne, K., Herrmann, S. D., Scudder, M. R., Betts, J. L., Honas, J. J., & Washburn, R. A. (2013). Physical activity and academic achievement across the curriculum (A+PAAC): Rationale and design of a 3-year, cluster-randomized trial. *BMC Public Health, 13*, 307-321. doi:10.1186/1471-2458-13-307

44. Moore, R. D., Wu, C.-T., Pontifex, M. B., O'Leary, K. C., Scudder, M., Raine, L. B., Johnson, C., & **Hillman, C. H.** (2013). Aerobic fitness and intra-individual variability of neurocognition in preadolescent children. *Brain and Cognition, 82,* 43-57.

45. Chaddock-Heyman, L., Erickson, K. I., Voss, M. W., Knecht, A. M., Pontifex, M. B., Castelli, D. M., **Hillman, C. H.**, & Kramer, A. F. (2013). The effects of physical activity on functional MRI activation associated with cognitive control in children: a randomized controlled intervention. *Frontiers in Human Neuroscience, 7,* 1-13. doi: 10.3389/fnhum.2013.00072

46. Pontifex, M. B., Saliba, B. J., Raine, L. B., Picchietti, D. L., & **Hillman, C. H.** (2013). Exercise improves behavioral, neurophysiologic, and scholastic performance in children with ADHD. *The Journal of Pediatrics, 162,* 543-551. doi:10.1016/j.jpeds.2012.08.036 (PMCID: PMC3556380)

47. **Hillman, C. H.**, & Schott, N. (2013). Der zusammenhang von fitness, kognitiver leistungsfähigkeit und gehirnzustand im schulkindalter. Konsequenzen für die schulische leistungsfähigkeit. *Zeitschrift für Sportpsychologie, 20*, 33-41.

48. Bailey, R., **Hillman, C. H.**, Arent, S., & Petitpas, A. (2012). Physical activity as an investment in personal and social change: the human capital model. *Journal of Physical Activity & Health, 9,* 1053-1055 (Commentary).

49. Kamijo, K., Khan, N. A., Pontifex, M. B., Scudder, M. R., Drollette, E. S., Raine, L. B., Evans, E. M., Castelli, D. M., & **Hillman, C. H.** (2012). The relation of adiposity to cognitive control and scholastic achievement in preadolescent children. *Obesity, 20,* 2406-2411.

50. Pontifex, M. B., Drollette, E. S., Scudder, M. R., Johnson, C. R., Broglio, S. P., & **Hillman, C. H.** (2012). The relation of mild traumatic brain injury and chronic lapses of attention. *Research Quarterly in Exercise and Sports, 83,* 553-559.

51. **Hillman, C. H.**, & Drobes, D. J. (2012). Childhood physical activity and cognitive control: implications for drug abuse. *Child Developmental Perspectives, 6,* 367-373.

52. Monti, J. M., **Hillman, C. H.**, & Cohen, N. J. (2012). Aerobic fitness enhances relational memory in children: the FIT Kids randomized control trial. *Hippocampus, 22,* 1876-1882.

53. Drollette, E. S., Shishido, T., Pontifex, M. B., & **Hillman, C. H.** (2012). Maintenance of cognitive control during and after walking in preadolescent children. *Medicine & Science in Sports & Exercise, 44,* 2017-2024.

54. Kamijo, K., Pontifex, M. B., Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Evans, E. M., Castelli, D. M., & **Hillman, C. H.** (2012). The association of childhood obesity to neuroelectric indices of inhibition. *Psychophysiology, 49,* 1361-1371.

55. Themanson, J. R., Rosen, P. J., Pontifex, M. B., **Hillman, C. H.**, & McAuley, E. (2012). Alterations in error-related brain activity and post-error behavior over time. *Brain & Cognition, 80,* 257-265. [doi: http://dx.doi.org/10.1016/j.bandc.2012.07.003]

56. Pontifex, M. B., Scudder, M. R., Drollette, E. S., & **Hillman, C. H.** (2012). Fit and vigilant: the relationship between sedentary behavior and failures in sustained attention during preadolescence. *Neuropsychology, 26,* 407-413. [doi.10.1037/a0028795]

57. Chaddock, L., Neider, M. B., Lutz, A., **Hillman, C. H.**, & Kramer, A. F. (2012). The role of childhood aerobic fitness in street crossing. *Medicine & Science in Sports & Exercise, 44,* 749-753. [doi: 10.1249/MSS.0b013e31823a90cb]

58. Chaddock, L., **Hillman, C. H.**, Pontifex, M. B., Raine, L. B., Johnson, C. R., & Kramer, A. F. (2012). Childhood aerobic fitness predicts cognitive performance one year later. *Journal of Sports Sciences, 30,* 421-430.

59. Scudder, M. R., Drollette, E. S., Pontifex, M. B., & **Hillman, C. H.** (2012). Neuroelectric indices of goal maintenance following a single bout of physical activity. *Biological Psychology, 89*, 528-531.

60. **Hillman, C. H.**, Pontifex, M. B., Motl, R. W., O'Leary, K. C., Johnson, C. R., Scudder, M. R., Raine, L. B., & Castelli, D. M. (2012). From ERPs to academics. *Developmental Cognitive Neuroscience, 2S,* S90-S98. doi:10.1016/j.dcn.2011.07.004

61. Chaddock, L., Erickson, K. I., Prakash, R. S., Voss, M. W., VanPatter, M., Pontifex, M. B., **Hillman, C. H.**, & Kramer, A. F. (2012). A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. *Biological Psychology, 89,* 260-268. doi:10.1016/j.biopsycho.2011.10.017

62. Voss, M. S., Chaddock, L., Kim, J. S., VanPatter, M., Pontifex, M. B., Raine, L. B., Cohen, N. J., **Hillman, C. H.**, & Kramer, A. F., (2011). Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. *Neuroscience, 199,* 166-176.

63. Kamijo, K., Pontifex, M., O'Leary, K. C., Scudder, M. R., Wu, C.-T., Castelli, D. M., & **Hillman, C. H.** (2011). The effects of an afterschool physical activity program on working memory in preadolescent children. *Developmental Science, 14,* 1046 – 1058. [PMCID: 21884320].

64. Broglio, S. P., Moore, R. D., & **Hillman, C. H.** (2011). A history of sport-related concussion on event-related brain potential correlates of cognition. *International Journal of Psychophysiology, 82,* 16-23. doi:10.1016/j.ijpsycho.2011.02.010 [Invited]

65. O'Leary, K. C., Pontifex, M. B., Scudder, M. R., Brown, M. L., & **Hillman, C. H.** (2011). The effects of single bouts of aerobic exercise, exergaming, and videogame play on cognitive control. *Clinical Neurophysiology, 122,* 1518-1525.

66. **Hillman, C. H.**, Kamijo, K., & Scudder, M. R. (2011). A review of chronic and acute physical activity participation on neuroelectric measures of brain health and cognition during childhood. *Preventive Medicine, 52*, S21-28. [Invited]

67. Castelli, D. M., **Hillman, C. H.**, Hirsch, J., Hirsch, A., & Drollette, E. (2011). FIT Kids: Time in target heart zone and cognitive performance. *Preventive Medicine, 52*, S55-59 [Invited]

68. Burkhalter, T. M., & **Hillman, C. H.** (2011). A narrative review of physical activity, nutrition, and obesity to cognition and scholastic performance across the human lifespan. *Advances in Nutrition, 2,* 201S-206S. [Invited]

69. Wu, C.-T., Pontifex, M. B., Raine, L. B., Chaddock, L., Voss, M. W., Kramer, A. F., & **Hillman, C. H.** (2011). Aerobic fitness and response variability in preadolescent children performing a cognitive control task. *Neuropsychology, 25,* 333-341 [PMID: 21443340].

70. Chaddock, L., **Hillman, C. H.**, Buck, S. M., & Cohen, N. J. (2011). Aerobic fitness and executive control of relational memory in preadolescent children. *Medicine & Science in Sports & Exercise, 43,* 344-349 [PMID: 20508533].

71. Pontifex, M. B., Raine, L. B., Johnson, C. R., Chaddock, L., Voss, M. W., Cohen, N. J., Kramer, A. F., & **Hillman, C. H.** (2011). Cardiorespiratory fitness and the flexible modulation of

cognitive control in preadolescent children. *Journal of Cognitive Neuroscience, 23,* 1332-1345. [PMID: 20521857].

72. Themanson, J. R., Pontifex, M. B., **Hillman, C. H.**, & McAuley, E. (2011). The relation of self efficacy and error-related self regulation. *International Journal of Psychophysiology, 80,* 1-10.

73. Chaddock, L., Pontifex, M. B., **Hillman, C. H.**, Kramer, A. F. (2011). A Review of the Relation of Fitness to Brain Structure and Function in Children. *Journal of the International Neuropsychological Society, 17,* 1-11. [Invited]

74. Kamijo, K., Takeda, Y., & **Hillman, C. H.** (2011). The beneficial relation of physical activity to functional connectivity between brain regions. *Clinical Neurophysiology, 122,* 81-89. [PMID: 20609621].

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Abstracts *(In print or accepted)*

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Presentations, & Symposia (not included in Abstracts)

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2. Moore, R. D., Hillman, C. H., & Ellemberg, D. (2015). Pediatric concussion leads to persistent neurocognitive alterations: evidence from event-related brain potentials. American Psychological Association.

3. Hassevoort, K. M., McCorkle, S. M., Raine, L. B., Zola, S. E., Khan, N. A., Kramer, A. F., **Hillman, C. H.**, & Cohen, N. J. (2015). Macular lutein is associated with cognitive performance in preadolescent children.

4. Clark, R., Chaddock-Heyman, L., Hillman, C. H., Kramer, A. F., & Voss, M. (2015). Differential pattern of brain activity in relation to fitness and executive function in male and female preadolescents. *Cognitive Neuroscience Society*.

5. Pindus, D. M., Moore, R. D., **Hillman, C. H.**, Bandelow, S., Hogervorst, E., Biddle, S J. H., & Sherar, L. B. (2014). The relation of aerobic fitness and physical activity to cognitive processing: findings from the ALSPAC birth cohort. Poster presented to *the North American Society for Pediatric Exercise Medicine*.

6. McAuley, E., MacKenzie, M., Zuniga, K., Awick, E., Raine, L., & **Hillman. C. H.** (2014). Objective and subjective memory impairment in breast cancer survivors: effects of fitness and nutrition. *International Psycho-Oncology Society, 23 (suppl. 3),* 312-313.

7. Scudder, M. R., Khan, N. A., Lambourne, K., Drollette, E. S., Herrmann, S. D., Betts, J. L., Washburn, R. A., Donnelly, J. E., & **Hillman, C. H.** (2014). The influence of aerobic fitness and metabolic syndrome risk factors on cognitive control in elementary age children. Poster presented to the *International Society of Behavioral Nutrition and Physical Activity,* San Diego, CA.

8. Pindus, D. M., Khan, N. A., Drollette, E. S., Moore, R. D., Scudder, M. R., Raine, L. B., Biddle, S. J. H., Sherar, L. B., Castelli, D. M., & **Hillman, C. H.** (2014). Physical activity intervention and changes in cognitive control in pre-pubertal children: does intensity matter? Insights from the FITKids randomized controlled trial. Poster presented to the *International Society of Behavioral Nutrition and Physical Activity,* San Diego, CA.

9. Lynch, B., Verstynen, T., Weinstein, A. M., Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Kramer, A. F., **Hillman, C. H.**, & Erickson, E. I. (2014). Dissociable effects of lean mass versus fat mass on neuromorphology in Children. *American Psychological Society*, San Francisco, CA.

10. Drollette, E. S., Scudder, M. R., Moore, R. D., Raine, L. B., Pontifex, M. B., & **Hillman, C. H.** (2014). The differential relation of sex on fitness and working memory in pre-pubertal children. Poster presented to the *Cognitive Neuroscience Society*, Boston MA.

11. Moore, R. D., Raine, L. B., Drollette, E. S., Scudder, M. R., Pindus, D. M., & **Hillman, C. H.** (2014). The persistent influence of pediatric concussion on attention and cognitive control. Poster presented to the *Cognitive Neuroscience Society*, Boston MA.

12. Raine, L. B., Saliba, B. J., Scudder, M. R., Kramer, A. F., & **Hillman, C. H.** (2014). Cardiorespiratory fitness and context processing in preadolescent children. Poster presented to the *Cognitive Neuroscience Society*, Boston MA.

13. Olson, E. A., Drollette, E. S., Raine, L .B., **Hillman, C. H.**, & McAuley, E. (2013). Sitting time behavior and working memory. Poster presented to the *International Society of Behavioral Nutrition and Physical Activity,* Ghent, Belgium.

14. Moore, R. D., Wu, C.-T., Pontifex, M. B., Broglio, S. P., & **Hillman, C. H.** (2012). The Persistent Influence of Concussion on Neuroelectric function and Response Variability. Poster presented to the *2nd Annual Concussion and Athletics: Brain to Behavior.* Pennsylvania State University.

15. Moore, R. D., Broglio, S. P., & **Hillman, C. H.** (2012). Long-term Influence of Concussion on Young Adults' Sensory Processing. Poster presented to the *2nd Annual Concussion and Athletics: Brain to Behavior.* Pennsylvania State University.

16. Baym, C. L., Monti, J. M., Khan, N. A., **Hillman, C. H.**, & Cohen, N. J. (2012). Aerobic fitness and nutrition effects on relational and item memory in preadolescent children. Poster presented to the *Society for Neuroscience*.

17. Moore, R. D., Broglio, S. P., & **Hillman, C. H.** (2012). The long term influence of concussion sustained during early life on attention. Poster presented to the *Cognitive Neuroscience Society*.

18. Scudder, M. R., Raine, L. B., Direito, A., Boyd, J., Federmeier, K. D., & **Hillman, C. H.** (2012). Aerobic fitness and semantic processing during sentence reading in 9-10 year old children. Poster presented to the *Cognitive Neuroscience Society*.

19. Monti, J. M., **Hillman, C. H.,** & Cohen, N. J. (2012). Aerobic fitness enhances relational memory in preadolescent children: the FITKids randomized control trial. Poster presented to the *Cognitive Neuroscience Society*.

20. Gothe, N., **Hillman, C. H.**, & McAuley, E. M. (2012). The effect of acute yoga and aerobic exercise on word memory and anxiety. Poster to be presented at the *3rd International Research Congress on Integrative Medicine & Health*, May 15-182012, Portland, Oregon.

21. Kamijo, K., Khan, N. A., Pontifex, M. B., Scudder, M. R., Drollette, E. S., Raine, L. B., Evans, E. M., Castelli, D. M., & **Hillman, C. H.** (2011). The negative relation of adiposity to cognitive health in preadolescent children: perspectives on academic achievement. Poster presented to *the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance*.

22. Pontifex, M. B., Saliba, B. J., Raine, L. B., Picchietti, D. L., & **Hillman, C. H.** (2011). The effect of a single bout of physical activity on inhibition in children with ADHD. Poster presented to *the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance*.

23. Raine, L. B., Kamijo, K., Scudder, M. R., Wu, C.-T., Drollette, E. S., Pontifex, M. B., Castelli, D. M., & **Hillman, C. H.** (2011). The beneficial effects of an afterschool physical activity program on preadolescent cognition: the FITKids trial. Poster presented to *the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance*.

24. Scudder, M. R., Raine, L. B., Dietro, A., Federmeier, K. D., & **Hillman, C. H.** (2011). The relation of aerobic fitness effects on vocabulary and academic achievement: an event-related potential study. Poster presented to *the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance*.

25. Chaddock, L., Neider, M. B., Lutz, A., **Hillman, C. H.**, & Kramer, A. F (2011). Childhood aerobic fitness and successful street crossing. Poster presented to *the ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance*.

26. **Hillman, C. H.**, Pontifex, M. B., Raine, L. B., Castelli, D. M., Hall, E. E., & Kramer, A. F. (2009). The effects of acute aerobic exercise on the cognitive control of attention and academic achievement in preadolescent children. Poster presented to the *Society for Research in Child Development*.

27. Bost, K., Choi, Levin, R., Wong, **Hillman, C. H.**, Pontifex, M. B., Warren, Roisman, G., & Heller, W. (2009). Preschool children's organization of emotion: perceptual asymmetry, attachment representations, and behavior among peers. Poster presented to the *Society for Research in Child Development*.

28. **Hillman, C. H.,** Buck, S. M., & Castelli, D. M. (2005). Aerobic fitness and neurocognitive function in preadolescent children during flanker task performance. Poster presented to the *Cognitive Development Society*.

29. Morris, K., Doerksen, S., McAuley, E., **Hillman, C. H.**, Buck, S., Themanson, J., & Pontifex, M. (2005). Self-efficacy, cognition, and fitness in older adults. Poster presented to the *International Society for Behavioral Nutrition and Physical Activity*.

30. **Hillman, C. H.** (2005). Exercise and the aging brain. Paper presented to the American College of Sports Medicine, Nashville, TN.

31. Duley, A., Janelle, C., & **Hillman, C. H.** (2002). Exercise dependence: A psychophysiological investigation of emotional reactivity to exercise cues. Paper presented to the American Psychological Association, Chicago, IL.

32. Deeny, S., **Hillman, C.**, Janelle, C., & Hatfield, B. (2000). EEG coherence and neural efficiency in expert and non-expert marksmen. Paper presented to the Mid-Atlantic Regional American College of Sports Medicine, Split Rock, PA.

33. Janelle, C. M., **Hillman, C. H.**, Apparies, R. A., & Hatfield, B. D. (1999). Ocular and cortical measures of performance efficiency during rifle shooting. Paper presented to the American Psychological Association, Boston, MA.

34. Drobes, D. J., **Hillman, C. H.**, & Lang, P. J. (1995). Effects of food deprivation on reactivity to food cues. Poster presented to the Association for Advancement of Behavioral Therapy, Washington, DC.

Invited Lectures & Symposia

1. **Hillman, C. H.** "Eat wise and exercise for better brain health". European Academy on Child Disabilities, Copenhagen, Denmark, May 2015 (Pre-Congress Lecture).

2. **Hillman, C. H.** "The relation of childhood health behaviors to brain, cognition, and Achievement". European Academy on Childhood Disabilities, Copenhagen, Denmark, May 2015 (Keynote).

3. **Hillman, C. H.** "Exercise and neurocognitive development in the growing child". Pediatric Academic Societies Annual Meeting, San Diego, CA, April 2015.

4. **Hillman, C. H.** "The relation of childhood health behaviors to brain and cognition". 8th European Youth Heart Study Symposium, Oslo, Norway, March 2015. (Keynote).

5. **Hillman, C. H.** "The relation of childhood fitness to brain health, cognition, and achievement". Phil Lawler Dupage County Institute of Physical Education, Health, and Driver Education, Naperville, IL, February 2015.

6. **Hillman, C. H.** "Childhood physical activity and brain structure and function". GENYOUth/National Dairy Counsel Meeting, Washington DC, January 2015.

7. **Hillman, C. H.** "The relation of childhood health behaviors to brain, cognition, and learning". The LIKES Institute, University of Jyväskylä, Finland, November, 2014. (Keynote).

8. **Hillman, C. H.** "Childhood health behaviors influence cognitive and brain health". The RICH Centre, University of Southern Denmark, Odense, Denmark, October 2014. (Keynote).

9. **Hillman, C. H.** "The relation of health behaviors to childhood cognitive and brain health". The Hydration for Health Conference, Evian-Les-Baines, France, July, 2014.

10. **Hillman, C. H.** "The relation of childhood health behaviors with brain, cognition, and achievement". The PERFORM Centre, Concordia University, Montreal, Quebec, Canada, May 2014.

11. **Hillman, C. H.** "The relation of physical activity and other health behaviors to childhood cognition, memory and achievement". The Arkansas Children's Nutrition Center (USDA Human Nutrition Research Center), Little Rock, AK, April 2014.

12. **Hillman, C. H.** "The relation of childhood physical activity to brain and cognition". American Alliance for Health, Physical Education, Recreation & Dance, St. Louis, MO, April 2014.

13. **Hillman, C. H.** "The relation of physical activity and other health behaviors to childhood cognition, memory and achievement". Barrett Honors College, Arizona State University, Phoenix, AZ, March 2014.

14. **Hillman, C. H.** "The relation of physical activity and other health behaviors to childhood cognition, memory and achievement". The University of Rome "Foro Italico", Rome, Italy, March 2014.

15. **Hillman, C. H.** "The relation of physical activity and other health behaviors to childhood cognition, memory and achievement". Department of Psychology, Department of Psychiatry, Ground Rounds, The Hospital for Sick Kids, Toronto, ON, February 2014.

16. **Hillman, C. H.** "Run for your life: connecting activity, learning, and obesity". Danone, Inc., Paris, France, December 2013.

17. **Hillman, C. H.** "The relation of health behaviors to cognition, memory and achievement". Department of Kinesiology, University of Michigan, Ann Arbor, MI, December 2013.

18. **Hillman, C. H.** "The relationship of childhood fitness and body mass to cognitive and brain health". Food & Nutrition Conference & Expo. Houston, TX, October 2013.

19. **Hillman, C. H.** "The relation of childhood fitness and adiposity to cognitive and brain health". The 3rd Annual Youth-Nex Conference: Physical Health & Well-Being for Youth. Charlottesville, VA, October 2013.

20. **Hillman, C. H.** "The relation of childhood fitness to brain and cognition". The Up Amigos! Conference, University of Illinois, Urbana-Champaign, IL, September 2013.

21. **Hillman, C. H.** "Run for your life: Connecting activity, learning, & obesity". Let's Go! 5-2-1-0 Childhood Obesity Conference, Portland, ME, September, 2013 (Plenary Speaker).

22. **Hillman, C. H.** "Exercise, physical activity, and cognition". Next Practice in Physical Education and Movement Science: The 2nd NORDPLUS-IDROTT Conference, Odense, Denmark, May 2013. (Keynote Speaker).

23. **Hillman, C. H.** "The relation of childhood fitness and adiposity to brain health, cognition, and achievement". Greentown: Naperville Illinois, Naperville, IL, April 2013.

24. **Hillman, C. H.** "The relation of childhood fitness and body mass to cognitive and brain health". American Society for Nutrition/Experimental Biology, Boston, MA, April 2013.

25. **Hillman, C. H.** "The relation of childhood fitness to brain health, cognition, and academic achievement". University of Virginia, Charlottesville, VA, February 2013.

26. **Hillman, C. H.** "The relation of childhood fitness to brain health, cognition, and academic achievement". Conference on Motor and Cognitive Ability across the Lifespan, Stuttgart, Germany, February 2013.

27. **Hillman, C. H.** "The relation of fitness to brain health, cognition, and academic achievement in preadolescent children." Department of Psychology, University of Michigan, Ann Arbor, MI, December 2012.

28. **Hillman, C. H.** "The relation of childhood fitness to brain health, cognition, and achievement." Bradley University, Peoria, IL, November 2012.

29. **Hillman, C. H.** "The relation of fitness to brain health, cognition, and academic achievement in preadolescent children." International Congress on Enhancement of Physical Activity and Motor Skills. Jyväskylä, Finland, November 2012. (Keynote Speaker).

30. **Hillman, C. H.** "Physical activity influences structure and function of the brain." German Federation of Sports Medicine, 100 Years of German Sports Medicine Congress. Berlin, Germany, October 2012.

31. **Hillman, C. H.** "The rationale behind improved performance in school; the effects of exercise and obesity on cognition." The National Dairy Counsel. Washington DC, September 2012.

32. **Hillman, C. H.** "Run for your life! Exercise effects on brain health, cognition, and achievement." North American Society for Pediatric Exercise Medicine. Philadelphia, PA, August 2012. (Plenary Speaker).

33. **Hillman, C. H.** "The relation of fitness to brain health, cognition, and scholastic achievement." The 20th Annual Meeting of Japan Society of Exercise and Sports Physiology. Tsukuba Japan, July 2012. (Keynote Speaker).

34. **Hillman, C. H.** "The relation of fitness to brain health, cognition, and scholastic achievement." School of Applied Physiology, Georgia Institute of Technology, May, 2012.

35. **Hillman, C. H.** "Preadolescent fitness and brain health: an educational neuroscience approach." College of Education, the University of Texas-Austin, Austin, TX, December 2011.

36. **Hillman, C. H.** "The scientific foundation for physical activity, cognition, and achievement." Urban Physical Education and Students' Academic Success. NASPE Webinar, November 2011.

37. **Hillman, C. H.** "Fitness and brain function." The Institute of Medicine Committee on Fitness Measures and Health Outcomes in Youth, National Academy of Sciences, Washington DC, November, 2011.

38. **Hillman, C. H.** "Brain health and cognition." ACSM conference on physical activity, cognitive function, and academic achievement: Moving students to better performance. Washington DC, November 2011.

39. **Hillman, C. H.** "The relation of fitness to brain health, cognition, and scholastic achievement." Education Workshop Series, University of Chicago, Chicago, IL November 2011.

40. **Hillman, C. H.** "Aerobic fitness effects on brain health, cognition, and achievement." 2011 International conference of exercise for 3 Q's: Health quotient, emotional quotient, and intelligence quotient. Taipei, Taiwan, October 2011

41. **Hillman, C. H.** "Run for your life! The benefits of exercise on cognition, memory, and achievement." National Taiwan Sports University, Taipei, Taiwan, October 2011. (Plenary Speaker).

42. **Hillman, C. H.** "Run for your life! The benefits of exercise on cognition, memory, and achievement." Centennial Conference on Motivation and Engagement, School of Education, University of Pittsburgh, Pittsburgh, PA, May 2011.

43. **Hillman, C. H.** "Fit brains: benefits of exercise on cognition, memory, and achievement." DuPage County Physical Education, Health, & Driver Ed Institute, Naperville, IL, February 2011.

44. **Hillman, C. H.** "Fit brains: benefits of exercise on cognition, memory, and achievement." Learning and the Brain Conference, Cambridge, MA, November 2010.

45. **Hillman, C. H**. "Physical activity and cognitive function in children." University of Kansas 12th Annual Obesity Conference: The Impact of Physical Activity on Academic Achievement, Overland Park, KS, September, 2010.

46. **Hillman, C. H**. "Exercise effects on brain health and cognition during childhood."The Effects of Exercise and Nutrients on Brain Function, University of Copenhagen, Copenhagen, Denmark, August, 2010.

47. **Hillman, C. H**. "Aerobic exercise and cognitive control in school age children." Developmental Neural Mechanisms of Cognitive Control: Implications for Drug Abuse, NIH, National Institute for Drug Abuse, Bethesda, MD, May, 2010.

48. **Hillman, C. H**. "Run for your Life!" TEDxUIllinois Conference, University of Illinois, Champaign, IL, April, 2010.

49. **Hillman, C. H**. "Aerobic fitness and neurocognitive function during preadolescent childhood." Department of Psychology, University of Pittsburgh, PA, February, 2010.

50. **Hillman, C. H**. "Physical activity and cognitive control across the lifespan." Centre for Research on Aging, University of Quebec at Montreal, December, 2009.

51. **Hillman, C. H**. "Physical activity: does it really matter in childhood obesity?" Forum on Child Obesity Interventions, the Mexican Health Foundation, Mexico City, November, 2009.

52. **Hillman, C. H.** "Physical activity, cognition, and academic achievement in preadolescent children." University of Kansas 11th Annual Conference on the Prevention and Treatment of Overweight & Obese Individuals, Kansas City, Kansas, September, 2009.

53. **Hillman, C. H.** "Physical activity and neurocognitive function across the human lifespan." Presented to Waseda University, Waseda, Japan, January 2009.

54. **Hillman, C. H.** "Fitness and cognitive control during preadolescent childhood." Presented to the Exercise Psychology Seminar, Purdue University, IN, October 2008.

55. **Hillman, C. H.** "Run for your life! The benefits of aerobic fitness to brain and cognition in children." Presented to the Advances in Sensory and Developmental Neuroscience Seminar, Beckman Institute, University of Illinois at Urbana-Champaign, IL, October 2008.

56. **Hillman, C. H.** "Physical activity, nutrition, and neurocognitive function in children." Presented to the Division of Nutritional Sciences, University of Illinois at Urbana-Champaign, IL, September, 2008.

57. **Hillman, C. H.** "The benefits of aerobic Fitness to brain and cognition during development." Presented to the National Institute of Advanced Industrial Science and Technology. Tsukuba, Japan, July 2008.

58. **Hillman, C. H.** "Physical activity and cognition across the lifespan." Presented to the NIH National Institute on Drug Abuse (NIDA) Can Physical Activity and Exercise Prevent Drug Abuse? Promoting a Full Range of Science to Inform Prevention Workshop, the National Institutes of Health, June 2008.

59. **Hillman, C. H.** "Run for your life! The benefits of aerobic fitness to brain and cognition." Presented to the Developmental Psychology Seminar, University of Illinois at Urbana-Champaign, IL, February 2008.

60. **Hillman, C. H.** "Run for your life! The benefits of aerobic fitness to brain and cognition." Presented to the DuPage County Physical Education, Health, & Driver Ed Institute, Naperville, IL, February 2008.

61. **Hillman, C. H.** "Physical activity influences on cognitive control". Presented to Interactions Among Movement, Physical Exertion, and Cognitive Performance (IMPAC), United States Army Natick Soldier Research Development and Engineering Center, Natick, MA, June 2007.

62. **Hillman, C. H.** "Physical activity and cognitive control during early and late stages of the human lifespan". Department of Applied Physiology and Kinesiology at the University of Florida, Gainesville, FL, April 2007.

63. **Hillman, C. H.** "Physical activity and cognitive control across the lifespan". Presented to the Division of Nutritional Sciences, University of Illinois at Urbana-Champaign, IL, January 2007.

64. **Hillman, C. H.** "Emotion and motivated behavior: Postural adjustments to affective stimuli." Presented to the Department of Exercise and Sport Sciences, University of Montreal, Montreal, Canada, January 2007.

65. **Hillman, C. H. "**Physical activity and cognitive control during early and late stages of the human lifespan". Centre de Recherche En Neuropsychologie expérimentale et Cognition, University of Montreal, Montreal, Canada, January 2007.

66. **Hillman, C. H.** "Physical activity and cognitive control across the lifespan". Keynote lecture to the Center of Excellence Promotion of Health and Sport Scientific Research, Tokyo, Japan, October 2006.

67. **Hillman, C. H.** "Physical activity and neurocognitive function in preadolescent children." Plenary lecture to Brain Development & Learning: Making Sense of the Science, Vancouver BC, August 2006.

68. **Hillman, C. H.** "Physical activity and neurocognitive function during early and late stages of the lifespan." Department of Kinesiology at Arizona State University, Tempe, AZ, February 2006.

69. **Hillman, C. H.** "Physical activity and interference control during early and late stages of the lifespan." Department of Kinesiology at Pennsylvania State University, State College, PA, November 2005.

70. **Hillman, C. H.** "Physical activity and interference control during early and late stages of the lifespan." Presented at the Scripps Institute, La Jolla, CA, October 2005.

71. **Hillman, C. H.** "Physical activity and cognitive function during early and late stages of the lifespan." Presented to the Brain and Cognition Seminar, Beckman Institute, University of Illinois at Urbana-Champaign, IL, February 2005.

72. **Hillman, C. H.** "Physical activity and neuroelectric function across the lifespan." Pennington Biomedical Research Center Scientific Symposium on the Neurobiology of Exercise, Louisiana State University, Baton Rouge, LA, December 2004.

73. **Hillman, C. H.** "Physical activity and cognitive function across the lifespan." Presented to the ORCHID Seminar in the Department of Computer Science, University of Illinois at Urbana-Champaign, IL, February 2004.

74. **Hillman, C. H.** "Emotion and motivated behavior: Postural adjustments to affective stimuli." Presented to the Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL, March 2003.

75. **Hillman, C. H.** "Academic career workshop: Entering the academic marketplace." Presented to the Society for Psychophysiological Research and the American Psychological Association, Pre-Conference Workshop, Washington, D.C. 2002.

76. **Hillman, C. H.** "The psychophysiology of sport: A mechanistic understanding of the psychology of superior shooters." Presented to the United States Olympic Training Center, Colorado Springs, CO, November 2001.

77. **Hillman, C. H.** "Exercise and the aging brain: Electrocortical indices of executive function." Presented to the Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL, January 2001.

78. **Hillman, C. H.** "Exercise and the aging brain: A psychophysiological perspective." Presented to the Department of Psychology Cognitive Psychophysiology Seminar, University of Illinois at Urbana-Champaign, IL, September 2000.

79. **Hillman, C. H.** "Combining visual and cortical assessment for psychophysiological performance profiling of marksmen." Presented to the United States Olympic Training Center, Colorado Springs, CO, October 1999.

External Grants

1. National Health and Medical Research Council (NHMRC, APP1100750), Chief-Investigator: "Stealth intervention to improve cardio-respiratory fitness in adolescents attending schools in low-income communities: The 'Burn to Learn' cluster randomised controlled trial" (David Lubans, Lead Chief Investigator), $780,983AUD (pending, February 2015).

2. Danone, Primary Investigator: "The Effects of Hydration on Brain, Cognition, Memory & Achievement in Childhood", $534,387, (funded June, 2014).

3. Intelligence Advanced Research Projects Activity (IARPA), Co-Investigator: "An Integrative System for Enhancing Fluid Intelligence (gf) through Human Cognitive, Fitness, HD-tDCS, and Nutritional Intervention (INSIGHT)", (Aron Barbey, Principal Investigator), $13,154,534 (funded January 2014).

4. NIH, National Institute of Child Health and Human Development, Faculty Member: "Transdisciplinary Training in Childhood Obesity" (Sharon Donovan, David Buchner, Barbara Fiese, co-Principal Investigators), $2,219,976 (pending, June 2013).

5. Nike Foundation Grant, Principal Investigator: "The Transient Effects of Single Bouts of Exercise on Cognitive and Brain Health, and Scholastic Achievement in Preadolescent Children", $220,638 (funded September 2013).

6. Abbott Nutrition, Principal Investigator: "The Effects of Fortified Nutritional Supplementation on Cognition, Memory, and Achievement", $2,261,636 (funded, April 2012).

7. Abbott Nutrition, Co-Investigator: "Optimizing Assessment Tools for Determining Nutritional Enhancement of Learning and Memory" (Neal Cohen, Principal Investigator), $396,755 (funded, April 2012).

8. NIH, National Institute of Child Health and Human Development, Co-Principal Investigator: "Enhancing Children's Cognitive and Brain Health through Physical Activity Training" (Arthur Kramer, co-Principal Investigator), $3,865,723 (funded, March, 2012).

9. NIH, RFA-CA-10-1017, Scientific Meetings for Creating Interdisciplinary Research Teams (R13), Co-Investigator: "Illinois Early Childhood Activity Program (I-CAP): Assessing Physical Activity from Circuits to Communities" (Barbara Fiese, Principal Investigator), $96,840 (Funded, December 2011).

10. USDA, National Institute of Food and Agriculture, "Illinois Transdisciplinary Obesity Prevention Program (I-TOPP)", (Sharon Donovan, Principal Investigator), $4,500,000 (funded, February, 2011).

11. NATA Research and Education Foundation, Co-Investigator: "Concussion across the Lifespan: Persistent Effects on Brain, Neurocognitive Function, and Motor Control", $125,398 (funded, June 2011).

12. NIH, National Institute for Diabetes and Digestive and Kidney Diseases, Co-Investigator: "Physical activity across the curriculum", (J. Donnelly, Principal Investigator), $535,008 [subcontract] (funded, June, 2010).

13. NIH, National Institute of Child Health and Human Development, Principal Investigator: "ERPs to Academics: Exercise Effects on Cognition in School-Aged Children", $1,355,107 (funded, September 2008).

14. NIH, National Institute of Mental Health, Ruth L. Kirschstein Individual Predoctoral Fellowship Award (F31), Sponsor (J. Themanson): "Cardiorespiratory Influences on Executive Control Function", $61,579 (funded, March 2006).

15. Institute for the Study of Aging, Co-Investigator: "Physical Activity, Aging, and Neurocognitive Function", (A. Kramer, Principal Investigator) $100,000 (funded, January 2005).

16. NIH, National Institute on Aging, Principal Investigator: "Exercise, Executive Processes, and the Aging Brain," $908,063 (funded, June 2003).

17. NIH, National Institute of Mental Health, Ruth L. Kirschstein Individual Predoctoral Fellowship Award (F31), Principal Investigator: "Age and Fitness Effects on Psychomotor Performance," $18,521 (funded, May 1999).

Internal Grants

1. Illinois Transdisciplinary Obesity Prevention Program: Co-Investigator (L. Raine/ K. Robinson, Principal Investigators): "The Impact of Genetics on Childhood Obesity, Cognition, and Fitness", $10,000 (funded, May, 2015).

2. Center for Health, Aging, and Disability: Co-Investigator (M. De Lisio, Principal Investigator): "Cognitive Impairments in Obese Children through Hematopoietic Stem Cell Dis-Regulation", $19,580 (funded, August 2013).

3. Center for Health, Aging, and Disability: Co-Investigator (S. Mullen, Principal Investigator): "Exergaming and Mild Cognitive Impairment: A Pilot Study", $20,000 (funded, August 2013).

4. Illinois Transdisciplinary Obesity Prevention Program: Co-Investigator (L. Raine/ N. Khan, Principal Investigators): "From Visceral Adiposity to ERPs", $10,000 (funded, February, 2013).

5. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: "Tracking the relation of fitness and body composition to cognitive health and function in middle school students: a 3-year prospective study", $18,993 (funded, December, 2011).

6. Division of Nutritional Sciences Vision 20/20 Research Program, Principal Investigator (Neal Cohen, Co-investigator): "Tracking Physical Fitness and Body Composition in Middle School Students: A 3-Year Prospective Study", $20,000 (funded, 2011).

7. University of Illinois at Urbana-Champaign Research Board: Co-Investigator (S. Broglio, Principal Investigator): "Mild Traumatic Brain Injury and Cognitive Health across the Lifespan", $12,650 (funded, November, 2009).

8. University of Illinois at Urbana-Champaign Research Board/Arnold O. Beckman Research Award, Co-Investigator (K. Bost, Principal Investigator): "A Cross-Disciplinary Approach to the Study of Emotion in Attachment Relationships", $18,291 (funded, May, 2007).

9. University of Illinois at Urbana-Champaign Mary Jane Neer Research Fund, Principal Investigator: "Clinical and Neuroelectric Indices of Multiple Concussions", $15,000 (funded, May 2007).

10. University of Illinois at Urbana-Champaign Research Board, Co-Investigator (S. Broglio, Principal Investigator): "Association Between Recurrent Concussion and Neuroelectric Indices of Chronic Changes in Cognition", $9,175 (funded, May 2007).

11. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: "Acute Effects of Resistance Training on Cognitive Performance", $9,175 (funded, March 2006).

12. University of Illinois at Urbana-Champaign Research Board, Co-Investigator (D. Castelli, Principal Investigator): "Cognitive Processes and Physical Activity in Children", $6,200 (funded, October 2003).

13. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: "Emotion and Motivated Behavior: Affective Picture-Viewing and Postural Sway," $18,000 (funded, September 2001).

14. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: "Executive Control Processes in Older Physically Active Adults," $18,987 (funded, December 2000).

Teaching Experience

Undergraduate & Graduate Courses

University of Illinois at Urbana-Champaign (August 2000 – Present)

KIN 140	Social Science of Human Movement
KIN 385	Experiences in Kinesiology Research
KIN/PSY 447	Psychology of Sport Performance
KIN 543	Physical Activity and Cognitive Function
NUTR 500	Nutritional Science Seminar
NUTR 530	Childhood Obesity I
PSY 290	Research Experience in Psychology

Post Doctoral Scholars

2013-2015 Naiman A. Khan, University of Illinois

2010-2012 Keita Kamijo, Waseda University

Graduate Students

Supervisor

2014 R. Davis Moore, "The Influence of Pediatric Concussion on Cognitive Control and Neuroelectric Function". Doctorate of Philosophy Degree.

2012 Chien-Ting Wu, "Aerobic Fitness and the Attentional Blink in Preadolescent Children". Doctorate of Philosophy Degree.

2011 Matthew Pontifex, "Transient Modulations of Inhibitory Control in Children with ADHD: the Effects of a Single Bout of Physical Activity". Doctorate of Philosophy Degree.

2010 Kevin O'Leary, "The Effects of Single Bouts of Aerobic Exercise, Videogame Play, and Exergaming on Cognitive Control." Master's of Science Degree.

2010 Toni Burkhalter, Non-Thesis Master's of Science Degree.

2009 Dana Ghareeb, Non-Thesis Master's of Science Degree.

2009 Phillip O'Connor, Non-Thesis Master's of Science Degree.

2007 Sarah M. Buck, "The Relationship between Aerobic Fitness and the Attentional Networks in Healthy Preadolescent Children." Doctorate of Philosophy Degree.

2007 Jason R. Themanson, "Cardiorespiratory Influences on Executive Control Function." Doctorate of Philosophy Degree.

2006 Colleen Russell, Non-thesis Masters of Science Degree.

2004 Darin P. Smith, "Influences of Age and Physical Activity on Psychophysiological Responses During Emotional Picture Processing." Masters of Science Degree.

Member

2016 Mireia Felez, "Physical Activity Intensity and Neurocognitive Function in Pre-Pubertal Children". Doctorate of Philosophy Degree. Autonomous University of Barcelona, Spain.

2015 Tina Greenlee, "Effects of Participation in a Simulated Live-Fire Maneuver on Working Memory & Cognitive Inhibitory Performance of New-Recruit Firefighters: An Examination of Individual Differences". Doctorate of Philosophy Degree. University of Illinois.

2015 Dominika Pindus, "Physical Activity Intensity and Cognitive Control in Pre-Pubertal Children". Doctorate of Philosophy Degree. Loughboro University, United Kingdom.

2015 Brian Sandroff, "Exercise and Cognition in Multiple Sclerosis Patients". Doctorate of Philosophy Degree. University of Illinois.

2014 Eero Haapala, "Physical Activity, Sedentary Behavior, Physical Performance, Adiposity and Academic Achievement in Primary-School Children". Doctorate of Philosophy Degree. University of Eastern Finland.

2014 Heidi Syväoja, "Physical Activity and Sedentary Behaviour in Association with Academic Performance and Cognitive Functions in School-Aged Children". Doctorate of Philosophy Degree. University of Jyväskylä.

2014 Kelsey Hassevoort, "A New Task for Assessing Behavioral Pattern Separation". First year Project in the Division of Neuroscience. University of Illinois.

2013 Erin Olson, "Self-Efficacy, Self-Regulation, and Physical Activity Behavior in Type-2 Diabetes Mellitus". Doctorate of Philosophy Degree. University of Illinois.

2013 Neha Gothe, "The Effects of a 4-Week Yoga Intervention on Cognition and Functional Fitness in Older Adults". Doctorate of Philosophy Degree. University of Illinois.

2013 Carol Baym, "Developmental Effects of Fitness and Nutrition on Relational Memory". Doctorate of Philosophy Degree. University of Illinois.

2013 Thomas Wojcicki, "A Social Cognitive Approach to Influencing Adolescent Physical Activity Behavior via Social Media: A Randomized Controlled Trial". Doctorate of Philosophy Degree. University of Illinois.

2012 Laura Chaddock, "The Effects of Physical Activity on the Brain and Cognition During Childhood". Doctorate of Philosophy Degree. University of Illinois.

2012 Naiman Kahn, "Nutrition and Body Composition in Preadolescent Children". Doctorate of Philosophy Degree. University of Illinois.

2012 Amanda Szabo, "The Relation of Aging and Self Efficacy to Memory". Doctorate of Philosophy Degree. University of Illinois.

2012 Tina Matilla, "The Relation of Physical Activity to Emotion, Stress, and Cognition". Masters of Science Degree. University of Illinois.

2012 Heloisa Alves, "Dancing and the Aging Brain: The Effects of a 6-Month Ballroom Dancing Intervention on Cognition of Healthy Older Adults". Doctorate of Philosophy Degree. University of Illinois.

2011 James Monti, "Aerobic Fitness Enhances Relational Memory in Preadolescent Children". Masters of Science Degree. University of Illinois.

2011 Chen Pang Wai, "Kinesthetic Motor Imagery among Tai-Chi Practitioners – An Event-Related Potential Study". The Hong Kong Polytechnic University, Doctorate of Philosophy Degree. University of Illinois.

2009 Mélanie Renaud, "Impacts De La Condition Physique Sur Les Performances Cognitives Dans Le Vieillissement Normal" University of Quebec at Montreal, Doctorate of Philosophy Degree.

2009 Laura Chaddock, "A neuroimaging investigation of the association between aerobic fitness, hippocampal volume and memory performance in preadolescent children". Masters of Science Degree. University of Illinois.

2009 Maritza Alvarado, "The Effects of Fitness Differences and Fitness Training on Dual-Task Performance and the Brain Processes Supporting Dual-Task Performance in Older Adults". Doctorate of Philosophy Degree. University of Illinois.

2008 Brian Gordon, "Differential Patterns of Activity in the Default Network in Older and Younger Adults". Doctorate of Philosophy Degree. University of Illinois.

2007 Li-Ling Chuang, "Balance, Cognition, and Falls. Attentional Demands on Balance Control across the Life Span". Doctorate of Philosophy Degree. University of Illinois.

2006 Richard Doyle, "Generalizability of Center of Pressure Measurements of Quiet Standing in Young and Elderly". Doctorate of Philosophy Degree. University of Illinois.

2005 Peter Johannes Kremer, "Imagery Rehearsal and Athletic Performance: A Comprehensive Investigation of Processes and Mechanisms using Bio-Information Theory." The University of Melbourne, Australia. Doctorate of Philosophy Degree.

2004 Brian Ragan, "Psychometrical Issues in Neuropsychological Testing of Mild Traumatic Brain Injuries." Doctorate of Philosophy Degree. University of Illinois.

2004 Danielle Gross, "Visual Search Strategies and Anticipation in Fast-Pitch Softball Batters: Experts versus Novices." Master's of Science Degree. University of Illinois.

2003 Erin Snook, "Early Indicators of Overtraining in Age Group Swimmers." Master's of Science Degree. University of Illinois.

Undergraduate Student Committees

Chairperson

2014 Cameron Fenton, "The transient effects of sleep on brain function and cognition". Summer Research Opportunities Program.
2012 Karah Bush, "The effects of an afterschool physical activity program on verbal fluency." James Scholar, Senior Thesis.
2010 Karah Bush, "The effects of an afterschool physical activity program on verbal fluency." McNair Summer Research Program.
2008 Efferman Ezell, "Chronic cognitive dysfunction associated with a history of concussion." Summer Research Opportunities Program.
2006 Matthew B. Pontifex, "In-task exercycling and executive control." Undergraduate Senior Thesis.
2006 George H. Echols III, "Acute effects of exercise on cognitive performance." Summer Research Opportunities Program.
2004 Danielle Pierre, "Aerobic fitness and action monitoring". McNair Summer Research Program.
2004 Cristina Zelaya, "Aerobic activity and cognitive function in children." The Hispanic Center of Excellence (HCOE) Summer Medical Student Research Fellowship Program.
2002 Raquel Gonzales, "Acute cardiovascular exercise and emotion: a startle reflex study." McNair Summer Research Program.

Visiting Scholars

2015 Xiangli Gu, Assistant Professor, Texas A & M University
2014 Antonio Luque Casado, doctoral student, University of Granada, Spain
2014 Aiguo Chen, Associate Professor (sabbatical), College of Physical Education, Yangzhou University
2014 Kirk Erickson, Associate Professor (sabbatical), Department of Psychology, University of Pittsburgh
2013-2015 Dominika Pindus, doctoral student, Loughborough University, United Kingdom
2013 Anne Kaer Thorsen, Southern Denmark University, Odense, Denmark
2011-2012 Takayuki Shishido, Ph.D., Sendai National College of Technology, Japan
2011-2012 Artur Direito, M.S., Vrije University, Amsterdam, Netherlands

Service

Public and Professional Services

Public Engagement

2014 GENYOUth and National Dairy Council joint Health & Wellness Advisory Council, and Subcommittee on Evaluation
2014 American Heart Association Physical Education Expert Advisory Group
2012 United Nations Educational, Scientific, and Cultural Organization (UNESCO) Committee on Sports and Society: Research In Socio-Economic Impacts of Sport' (RISE) study
2010 Urbana School District Teacher In-Service Day
2008 Board Member, American Sport Institute
2007 Assisted Senator Katie Stine (Rep) on Kentucky State Senate Bill #110 to increase physical education to 150 minutes per week for public school children.
2007 Research used to support Senator Jane Nelson (Rep) on Texas State Senate Bill #530 to increase physical education time for public school children.
2007 Member of the Professor's Task Force for the Center for SCREEN-TIME Awareness

National Professional Service

- The U.S. Department of Health and Human Services Office for Disease Prevention and Health Promotion (ODPHP), Physical Activity Guidelines for Americans (PAG), Meeting Participant, 2014
- Institute of Medicine of the National Academies, Committee on Physical Activity and Physical Education in the School Environment, Committee Member, 2012-2013
- American College of Sport Medicine, member, 1999-present
  Strategic Health Initiatives-Aging Committee 2008-2011 (appointed)
  Co-Chair, ACSM Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Students to Better Performance (2011)
- American Psychological Association, member, 1996-2005
- American Society for Nutrition, 2013-present
  Program Committee American Psychological Association Division 47, 2003 (appointed)
- American Psychological Society, 2009-2012
- Cognitive Development Society, 2005-present
- Cognitive Neuroscience Society, 2005-2010
- North American Society for the Psychology of Sport and Physical Activity, member, 1996-2003
- Society for Psychophysiological Research, member, 1995-present
  Program Committee, 2002- 2004, 2013-2014, 2014-2015 (appointed)
  Education and Training Committee, 2003-2006 (appointed)
  Tursky Student Award Committee, 2009 (appointed)
  Bylaws Committee, 2009-2012 (appointed)
  Membership Committee, 2013-2015 (appointed)

Federal Government Study Section

2014 The German Federal Ministry for Education and Research (BMBF), Neural Basis of Active Aging Study Section

2010 National Institutes of Health, Special Emphasis Panel, Promote Diversity of Emerging Scientists in the Health Sciences 2010/05 ZRG1 BBBP-J (29) L (F31)
2009 National Institutes of Health, Cognition and Perception Study Section
2009 National Institute on Aging, Special Emphasis Panel, Interventions to Remediate Age-Related Cognitive Decline, 2009/05 ZAG 1 ZIJ-5 (M1)

Ad-Hoc Journal Reviewer

- Acta Psychologica, 2008
- Aging, Neuropsychology, and Cognition, 2006, 2010
- American Journal of Preventive Medicine, 2007
- Biological Psychology, 2003, 2005, 2008, 2010, 2011, 2012, 2015
- Brain and Cognition, 2008
- Child Neuropsychology, 2011
- Clinical Neurophysiology, 2001
- Cochrane Review, 2007
- Cognitive Development, 2006
- Cognitive, Affective, & Behavioral Neuroscience, 2008
- Developmental Psychology, 2007, 2011
- Developmental Review, 2012
- Emotion, 2006
- European Journal of Applied Physiology, 2005, 2008, 2010
- Experimental Aging Research, 2004
- Experimental Brain Research, 2004
- Health Psychology, 2012
- International Journal of Obesity, 2008
- International Journal of Psychophysiology, 2005, 2007, 2008, 2013
- International Journal of Sports Medicine, 2002, 2006, 2007
- International Journal of Sport Psychology, 1999
- Journal of Aging and Physical Activity, 2002, 2007
- Journal of Cognitive Neuroscience, 2012
- Journal of Experimental Child Psychology, 2012, 2013, 2014
- Journal of Gerontology: Medical Sciences, 2004
- Journal of Gerontology: Psychological Sciences, 2004, 2005, 2006, 2009
- Journal of Motor Behavior, 2004
- Journal of Neuroscience, 2011
- Journal of Pediatrics, 2009
- Journal of Psychophysiology, 2004
- Journal of Sport & Exercise Psychology, 2000, 2001, 2002, 2006, 2007, 2008, 2011, 2013
- Journal of Sport Sciences, 2005, 2008
- Journal of Sport & Social Issues, 2001, 2002
- Medicine & Science in Sports & Exercise, 2004, 2006, 2010, 2011, 2012
- Methods, 2008
- Motivation and Emotion, 2000, 2001, 2002, 2003, 2004
- Neurobiology of Learning and Memory, 2005

- Neurobiology of Aging, 2006
- Neuroimage, 2012
- Neuroscience, 2009, 2010
- Neuroscience & Biobehavioral Reviews, 2011
- Neuroscience Letters, 2003
- New England Journal of Medicine, 2009
- Pediatrics, 2011, 2015
- Pediatric Exercise Science, 2007, 2010, 2013
- Perceptual and Motor Skills, 2002
- Psychology and Aging, 2006
- Physiology & Behavior, 2006, 2012
- Psychological Bulletin, 2006
- Psychophysiology, 2001, 2002, 2004, 2005, 2006, 2007, 2009, 2010, 2011
- Psychosomatic Medicine, 2010
- Research Quarterly for Exercise and Sport, 2005, 2006

Administrative Services to the University

Department of Kinesiology and Community Health

Chairperson:

- Biobehavioral Kinesiology Coordinator, Fall 2011-Present (appointed)
- Honor and Awards Committee for Faculty, Graduate Students, and Undergraduate Students, 2002-2008 (appointed)
- Search Committee, Research Technical Support, Fall 2005-Spring 2006 (appointed)

Member:

- Department of Kinesiology & Community Health Tenure and Promotion Committee, 2011-present (elected)
- Department of Kinesiology & Community Health Advisory Committee, 2010-2016 (elected)
- Search Committee, Assistant/Associate Professor in Physical Activity and Health, 2011-12 (appointed)
- Search Committee, Accountant Technician I, 2011-2012 (appointed)
- *Ad Hoc* Committee for the evaluation of student fees, 2009-2010 (appointed)
- Education Policy Committee, 2003-2008 (appointed)
- *Ad Hoc* Committee for evaluation of Graduate Student Research and Travel Grants, 2000 –2001, 2004 –2005 (appointed)
- Honor and Awards Committee for Faculty, Graduate Students, and Undergraduate Students, 2001-2002 (appointed)
- Search Committee, assistant professor of biomechanics/motor control, 2002 –2003 (appointed)
- Search Committee, Target Opportunity Program (TOP), assistant professor of sport culture, Spring 2003 (appointed)
- Search Committee, Undergraduate Academic Advisor, Summer 2003 (appointed)

- McKinley Health Center Research and Grants Committee, 2003-2005 (appointed)
- Search Committee, Undergraduate Academic Advisor, Spring 2004 (appointed)
- Chittendon Fellowship Committee, 2005-2006 (appointed)
- Departmental Space Committee, 2005-2007 (appointed)

Department of Nutritional Sciences

- Search Committee, I-TOPP Program Coordinator, Summer 2011 (appointed)
- Application Evaluation Committee, I-TOPP, Spring 2012-present (appointed)

College of Applied Health Sciences

Chairperson:

- College Initiative Hire, Health – Child & Family Issues Search Committee, Chair, 2014-15 (appointed)
- Center for Health, Aging, and Disability Senior Faculty Committee Chair, 2014- present (appointed)
- College initiative Hire, Disability – Child and Family Search Committee, Chair, 2013-14 (appointed)
- College Initiative Hire, Disability Search Committee, Chair, 2012-13 (appointed)
- King James McCristal Distinguished Scholar for the College of Applied Health Sciences Award Committee, Chair, 2013 (appointed)

Member:

- College Executive Committee, member, 2013-16 (elected)
- Promotion and Tenure Committee, member, 2013-17 (elected)
- Department of Speech & Hearing Sciences, Faculty Search Committee, Member, (2013-2014)
- King James McCristal Distinguished Scholar for the College of Applied Health Sciences Award Committee, Member, 2014-2015 (appointed)
- University Multi-College Excellence Search Committee, Member, 2012-13
- Department of Speech & Hearing Sciences, Promotion & Tenure Committee, Member, 2012-13 (appointed)
- Department Head 5-Year Review Committee, Member, 2012 (appointed)
- Search Committee, Grants & Contracts Officer, Summer 2011 (appointed)
- Center for Health, Aging, and Disability Senior Faculty Committee Member, 2009- present (appointed)
- Elections and Credentials Committee, Member, 2009-2013 (elected)
- Search Committee, Assistant/Associate Professor in Disability, 2009-2010 (appointed)
- Neer Grant Review Committee, Member, Spring 2009 (appointed)
- Department Head 5-Year Review Committee, Member, 2006- 2007 (appointed)
- Applied Health Sciences Honors and Awards Committee, Member, 2004-2007 (appointed)
- Search Committee, College Web Master, Member, 2000 (appointed)

University of Illinois

- Vice Chancellor's Committee to Evaluate Animal Care Costs on Campus, member, 2014 (appointed)
- Division of Nutritional Sciences Executive Committee, Member, 2014-2017 (elected)
- Campus Budgetary Oversight Committee, Member, 2013-2015 (appointed)
- AHS Dean 5-Year Review Committee, Member, 2012 (appointed)
- Faculty Advisor, University of Illinois Men's Division I Ice Hockey Club, 2007-present
- Reviewer, UIUC Research Board Grant, 2001, 2003, 2004, 2005, 2006, 2011, 2013
- IRB Focus Group, 2003 (invited)
- Animal Care and Use Committee (IACUC) member, 2009-2012
- Advances in Sensory and Developmental Neuroscience, Post Doc Search Committee, 2010
- National Center for Health Technologies Leadership Committee, Illinois Interdisciplinary Health Science Initiative, 2010-2011 (invited)

Select Media Appearances

- *Scientific American*, "Kids Who Exercise Don't Sweat Tests", October 9, 2014. http://www.scientificamerican.com/podcast/episode/kids-who-exercise-don-t-sweat-tests/
- *The New York Times*, "How Exercise Can Boost Young Brains", October 8, 2014. http://well.blogs.nytimes.com/2014/10/08/how-exercise-can-boost-the-childs-brain/?_php=true&_type=blogs&_r=0
- *Los Angeles Times*, "An Hour of Physical Activity A Day Helps Kids Think Better, Study Says", September 29, 2014. http://www.latimes.com/science/sciencenow/la-sci-sn-fit-kids-think-smarter-20140929-story.html
- *National Public Radio*, "More Active Play Equals Better Thinking Skills For Kids", September 29, 2014. http://www.npr.org/blogs/health/2014/09/29/352455278/more-active-play-equals-better-thinking-skills-for-kids
- *The Telegraph*, "An Hour of Exercise a Day Boosts Children's Concentration", September 29, 2014. http://www.telegraph.co.uk/health/healthnews/11126713/An-hour-of-exercise-a-day-boost-childrens-concentration.html
- *The New York Times*, "Put the Physical in Education", September 4, 2014, http://well.blogs.nytimes.com/2014/09/04/adhd-children-excercise-pe/
- *U.S. News & World Report*, "Could Fitter Kids Be Smarter Kids, Too?", June 6, 2014
- *Science Daily*, "Brain Signals Link Physical Fitness to Better Language Skills in Kids", June 3, 2014
- *Reuters*, "Daily, Vigorous Exercise Helps Kids Get or Stay Fit", March 31, 2014, http://news.yahoo.com/daily-vigorous-exercise-helps-kids-stay-fit-204919667.html
- *The New York Times*, " How Physical Fitness May Promote School Success", September 17, 2013, http://well.blogs.nytimes.com/2013/09/18/how-physical-fitness-may-promote-school-success/?_r=0
- *Chicago Tribune*, "Physical Fitness Boosts Brain Power in Kids, Study Finds", September, 15, 2013, http://www.chicagotribune.com/health/la-sci-sn-physically-fit-kids-learn-better-memory-20130911,0,1195670.story
- *Time Magazine*, "How Cutting Physical Education in Schools Could Hurt Grades", September, 11, 2013, http://healthland.time.com/2013/09/11/how-cutting-physical-education-in-schools-could-hurt-grades/

- *Los Angeles Times*, "Physical Fitness Boosts Brain Power in Kids, Study Finds", September 11, 2013, http://touch.latimes.com/#section/-1/article/p2p-77366278/
- *Science Daily*, "Aerobic Fitness Boosts Learning, Memory in 9-10-Year-Old Children", September 11, 2013, http://www.sciencedaily.com/releases/2013/09/130911184716.htm
- *The New York Times*, "Phys Ed: Can Exercise Make Kids Smarter?", September, 19, 2010
- *CNN American Morning*, "Can Exercise Make Kids Smarter?", September, 17, 2010
- *ABC World News with Diane Sawyer*, "Bikes, Balls in Class: How Phys Ed Transformed One School", April 14, 2010, http://abcnews.go.com/WN/exercise-school-leads-learning/story?id=10371315
- *Good Morning America*, "Exercise Boosts Brain Power", October 22, 2009, http://abcnews.go.com/GMA/exercise-boost-brainpower/story?id=8840026
- *The New York Times*, "Phys Ed: What Sort of Exercise Can Make You Smarter?, September 16, 2009
- *The News Gazette*, "UI professor's research finds exercise helps kids focus", August 27, 2009
- *Good Morning America*, "Getting Kids Moving in Schools", April 8, 2009, http://abcnews.go.com/Video/playerIndex?id=7287548
- *The New York Times*, "Lobes of Steel", August 19, 2007
- *Newsweek*, "Can Exercise Make You Smarter?", March 26, 2007
- *The News Gazette,* "Study: Exercise Benefits Younger Brains Too", January 1, 2007
- *Men's Health*, Science has linked aerobic exercise to improved brainpower, September 6, 2005
- *The News Gazette,* "Finding Fitness, Educational Links", November 8, 2004