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Work Address

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Professional Experience

- 2017-present Director
Northeastern University
Center for Cognitive and Brain Health
- 2016-present Professor
Northeastern University
Department of Psychology
Department of Physical Therapy, Movement, & Rehabilitation Sciences
- 2016-present Adjunct Professor
University of Illinois
Department of Kinesiology & Community Health
- 2016-present Adjunct Professor
Syddansk Universitet (University of Southern Denmark)
Faculty of Health Sciences
- 2012-2016 Professor
2006-2012 Associate Professor
2000-2006 Assistant Professor
University of Illinois at Urbana-Champaign, Urbana, IL
Department of Kinesiology & Community Health
Department of Psychology
Department of Internal Medicine, College of Medicine
Affiliate of the Beckman Institute - Human Perception & Performance Division
Affiliate of the University of Illinois Neuroscience Program
Affiliate of the Division of Nutritional Sciences

Advisory Board Positions

- 2018 – Scientific Advisory Board Member, Brain changes across the lifespan - the role of growth environments, self-regulation and physical activity (BRAIN), University of Jyväskylä, Finland
- 2016 – Scientific Advisory Board Member, Research in Childhood Health, Syddansk Universitet (University of Southern Denmark)

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 to the National Academy of Kinesiology (Fellow #550)
- 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
- 2007-2015 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
- 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. Drollette, E. S. & **Hillman, C. H.** (in press). Cognitive and Academic Benefits for School Age Children. In T. Brusseau, S. Fairclough, & D. Lubans (Eds.), *The Routledge Handbook of Youth Physical Activity* (pp. xx-xx). Routledge, Taylor & Francis Group: London & New York.
2. Marques, A., **Hillman, C. H.**, & Sardinha, L. B. (2018). Physical activity, cardiorespiratory fitness and academic achievement. *Health and Academic Achievement*. InTechOpen, doi: 10.5772/intechopen.71284
3. **Hillman, C. H.** & Castelli, D. M. (2017). Future directions: rigorous research design and authentic application of neuroscience. In R. Meeusen, S. Schaefer, P. Tomporowski & R. Bailey (Eds.), *Physical Activity and Educational Achievement: Insights from Exercise Neuroscience* (pp. 63-74). Routledge, Taylor & Francis Group: London & New York.
4. 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
5. **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.
6. **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
7. 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.
8. **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.
9. **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.

10. 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.
11. Janelle, C. M., & **Hillman, C. H.** (2003). Expert performance in sport: Current Perspectives and Critical Issues. In K.A. Ericsson & J. Starks (Eds.), *Recent Advances in Research on Sport Expertise* (pp. 19-47). Human Kinetics: Champaign, IL.
12. 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 and Federal Committee Reports

1. 2018 Physical Activity Guidelines Advisory Committee. 2018 Physical Activity Guidelines Advisory Committee Scientific Report. Washington, DC: U.S. Department of Health and Human Services, 2018.
2. IOM (Institute of Medicine of the National Academy of Sciences) (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. Kao, S.-C., Cadenas-Sanchez, C., Shigeta, T. T., Walk, A. M., Chang, Y.-K., Pontifex, M. B., & **Hillman, C. H.** (in press). A systematic review of physical activity and cardiorespiratory fitness on P3. *Psychophysiology*. (invited).
2. Mora-Gonzalez, J., Esteban-Cornejo, I., Cadenas-Sanchez, C., Migueles, J. H., Rodriguez-Ayllon, M., Molina-Garcia, P., **Hillman, C. H.**, Catena, A., Pontifex, M. B., & Ortega, F. B. (in press). Fitness, physical activity, working memory and neuroelectric activity in children with overweight/obesity. *Scandinavian Journal of Medicine & Science in Sports*. doi: 10.1111/sms.13456
3. Syväoja, H. J., Kankaanpää, A., Joensuu, L., Kallio, J., Hakonen, H., **Hillman, C. H.**, & Tammelin, T. J. (in press). The longitudinal associations of fitness and motor skills with academic achievement. *Medicine & Science in Sports & Exercise*. doi: 10.1249/MSS.0000000000002031
4. Westfall, D. R., Logan, N. E., Khan, N. A., & Hillman, C. H. (in press). Cognitive assessments in hydration research involving children: methods and considerations. *Annals of Nutrition & Metabolism*. (invited).

5. Szabo-Reed, A. N., Willis, E. A., Lee, J., **Hillman, C. H.**, Washburn, R. A., & Donnelly, J. E. (in press). The influence of moderate-to-vigorous physical activity participation and time-on-task on academic achievement in elementary-aged students. *Translational Journal of the American College of Sports Medicine*.
6. Pate, R. R., Hillman, C. H., Janz, K., Katzmarzyk, P. T., Powell, K. E., Torres, A., & Whitt-Glover, M. C. (2019). Physical Activity and Health in Children Under 6 Years of Age: A Systematic Review. *Medicine & Science in Sports & Exercise*, *51*, 1282-1291. doi: 10.1249/MSS.0000000000001940
7. Green, C. S., Bavelier, D., Kramer, A. F., Vinogradov, S., Ansorge, U., Ball, K. K., Bingel, U., Chein, J. M., Colzato, L. S., Edwards, J. D., Facoetti, A., Gazzaley, A., Gathercole, S. E., Ghisletta, P., Gori, S., Granic, I., **Hillman, C. H.**, Hommel, B., Jaeggi, S. M., Kanske, P., Karbach, J., Kingstone, A., Kliegel, M., Klingberg, T., Kühn, S., Levi, D. M., Mayer, R. E., McLaughlin, A. C., McNamara, D. S., Morris, M. C., Nahum, M., Newcombe, N. S., Panizzutti, R., Prakash, R. S., Rizzo, A., Schubert, T., Seitz, A. R., Short, S. J., Singh, I., Slotta, J. D., Strobach, T., Thomas, M. S. C., Tipton, E., Tong, X., Vlach, H. A., Wetherell, J. L., Wexler, A., & Witt, C. M. (in press). Improving methodological standards in behavioral interventions for cognitive enhancement. *Journal of Cognitive Enhancement*, *3*, 2-29. <http://dx.doi.org/10.1007/s41465-018-0115-y>
8. Chojnacki, M. R., Holscher, H. D., Balbinot, A. R., Raine, L. B., Biggan, J. R., Walk, A. D. M., Kramer, A. F., Cohen, N. J., **Hillman, C. H.**, & Khan, N. A. (in press). Relations between mode of birth delivery and timing of developmental milestones and adiposity in preadolescence: a retrospective study. *Early Human Development*.
9. Powell, K. E., King, A. C., Buchner, D. M., Campbell, W. W., DiPietro, L., Erickson, K. I., **Hillman, C. H.**, Jakicic, J. M., Janz, K. F., Katzmarzyk, P. T., Kraus, W. E., Macko, R. F., Marquez, D. X., McTiernan, A., Pate, R. R., Pescatello, L. S., & Whitt-Glover, M. C. (in press). The scientific foundation for the 2018 physical activity guidelines for Americans. *Journal of Physical Activity & Health*. <https://doi.org/10.1123/jpah.2018-0618>
10. Leahy, A. A., Eather, N., Smith, J. J., **Hillman, C. H.**, Morgan, P. J., Plotnikoff, R. C., Nilsson, M., Lonsdale, C., Costigan, S. A., Noetel, M., & Lubans, D. R. (in press). Feasibility and preliminary efficacy of a teacher-facilitated high intensity interval training intervention for older adolescents. *Pediatric Exercise Science*. <https://doi.org/10.1123/pes.2018-0039>
11. Pindus, D. M., Drollette, E. D., Raine, L. B., Kao, S.-C., Khan, N. A., Westfall, D. R., Hamill, M., Shorin, R., Calobrisi, E., John, D., Kramer, A. F., & **Hillman, C. H.** (in press). Moving fast, thinking fast: The relations of physical activity levels and bouts to neuroelectric indices of inhibitory control in preadolescents. *Journal of Sport and Health Science*. (invited).
12. Loui, P., Raine, L., Chaddock-Heyman, Kramer, A. F., & Hillman, C. H. (2019). Music instrument practice predicts white matter microstructure and cognitive abilities in childhood. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2019.01198

13. Leahy, A., Eather, N., Smith, J. J., **Hillman, C. H.**, Morgan, P. J., Nilsson, M., Lonsdale, C., Plotnikoff, R. C., Noetel, M., Halliday, E., Shigeta, T., Costigan, S., Walker, R., Young, S., Valkenbergs, S., Harris, N., Gyawali, P., Kennedy, S., Lubans, D. R. (2019). A school-based physical activity intervention for older adolescents: Rationale and study protocol for the Burn 2 Learn cluster randomised controlled trial. *BMJ Open*. doi:10.1136/bmjopen-2018-026029
14. Erickson, K. I., **Hillman, C. H.**, Stillman, C. M., Ballard, R. M., Bloodgood, B., Conroy, D. E., Macko, R., Marquez, D. X., Petruzzello, S. J., & Powell, K. E. (2019). Physical activity, cognition, and brain outcomes: A review of the 2018 Physical Activity Guidelines. *Medicine & Science in Sports & Exercise*, *51*, 1242-1251. doi: 10.1249/MSS.0000000000001936
15. Hoffman, J. A., Schmidt, E. M., Castaneda-Sceppa, C., John, D., & **Hillman, C. H.** (2019). The theoretical foundation, fidelity, feasibility, and acceptability of a teacher training to promote physical activity among preschoolers in child care: a pilot study. *Preventive Medicine Reports*, *13*, 214-217. doi.org/10.1016/j.pmedr.2019.01.003
16. Esteban-Cornejo, I., Mora-Gonzalez, J., Cadenas-Sanchez, C., Contreras-Rodriguez, O., Verdejo-Román, J., Henriksson, P., Migueles, J. H., Rodriguez-Ayllon, M., Molina-García, P., **Hillman, C. H.**, Kramer, A. F., Erickson, K. I., Catena, A., Verdejo-García, A., Ortega, F. B. (2019). Fitness, cortical thickness, and surface area in overweight/obese children: the mediating role of body composition and relationship with intelligence. *Neuroimage*, *186*, 771-781.
17. Esteban-Cornejo, I., Rodriguez-Ayllon, M., Verdejo-Roman, J., Cadenas-Sanchez, C., Mora-Gonzalez, J., Chaddock-Heyman, L., Raine, L. B., Stillman, C. M., Kramer, A. F., Erickson, K. I., Catena, A., Ortega, F. B., **Hillman, C. H.** (2019). Physical fitness, white matter volume and academic performance in children: Findings from the ActiveBrains and FITKids2 projects. *Frontiers in Psychology*, *10*, 208. doi: 10.3389/fpsyg.2019.00208
18. Hammer, R., Paul, E. J., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J., & Barbey, A. K. (2019). Individual differences in analogical reasoning revealed by multivariate task-based functional brain imaging. *Neuroimage*, *184*, 993-1004. <https://doi.org/10.1016/j.neuroimage.2018.09.011>
19. Moore, R. D., Sicard, V., Pindus, D. M., Raine, L. B., Drollette, E. S., Scudder, M. R., Decker, S., Ellemberg, D., & **Hillman, C. H.** (2019). A targeted neuropsychological examination of children with a history of sport-related concussion. *Brain Injury*, *33*, 291-298. <https://doi.org/10.1080/02699052.2018.1546408>
20. Chaddock-Heyman, L., Erickson, K. I., Kienzler, C., Drollette, E., Raine, L., Kao, S.-C., Bensken, J., Weisshappel, R., Castelli, D. M., **Hillman, C. H.**, Kramer, A. (2018). Physical activity increases white matter microstructure in children. *Frontiers in Neuroscience*. <https://doi.org/10.3389/fnins.2018.00950>
21. Hassevoort, K. M., Lin, A. S., Khan, N. A., **Hillman, C. H.**, & Cohen, N. J. (2018). Added sugar and dietary fiber consumption are associated with creativity in preadolescent children. *Nutritional Neuroscience*. doi: 10.1080/1028415X.2018.1558003

22. **Hillman, C. H.**, McAuley, E., Erickson, K. I., Liu-Ambrose, T., & Kramer, A. F. (2018). On Mindful and Mindless Physical Activity and Executive Function: A Response to Diamond and Ling (2016). *Developmental Cognitive Neuroscience*. <https://doi.org/10.1016/j.dcn.2018.01.006>
23. Gejl, A. K., Bugge, A., Ernst, M. T., Tarp, J., **Hillman, C. H.**, Have, M., Froberg, K., & Andersen, L. B. (2018). The acute effects of short bouts of exercise on inhibitory control in adolescents. *Mental Health & Physical Activity*, *15*, 34-39. <https://doi.org/10.1016/j.mhpa.2018.06.003>
24. Kao, S.-C., Drollette, E. S., Ritondale, J. P., Khan, N. A., & **Hillman, C. H.** (2018). The acute effects of high-intensity interval training and moderate-intensity continuous exercise on declarative memory and inhibitory control. *Psychology of Sport & Exercise*, *38*, 90-99. <https://doi.org/10.1016/j.psychsport.2018.05.011>
25. Sharp, P. B., Sutton, B. P., Paul, E. J., Sherepa, N., **Hillman, C. H.**, Cohen, N. J., Kramer, A. F., Prakash, R., Heller, W., Telzer, E. H., & Barbey, A. K. (2018). Mindfulness training induces structural connectome changes in insula networks. *Scientific Reports*, *8*, 7929. doi:10.1038/s41598-018-26268-w
26. Felez-Nobrega, M., **Hillman, C. H.**, Dowd, K. P., Cirera, E., & Puig-Ribera, A. (2018). ActivPAL™ determined sedentary behaviour, physical activity and academic achievement. *Journal of Sports Sciences*, *36*, 2311-2316. doi: 10.1080/02640414.2018.1451212
27. Raine, L. B., Kao, S.-C., Pindus, D., Westfall, D. R., Shigeta, T. T., Logan, N., Cadenas-Sanchez, C., Li, J., Drollette, E. S., Pontifex, M. B., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2018). A largescale re-analysis of childhood fitness and inhibitory control. *Journal of Cognitive Enhancement*, *2*, 170-192.
28. Daugherty, A. N., Zwillling, C., Paul, E. J., Sherpa, N., Allen, C., Kramer, A. F., **Hillman, C. H.**, Cohen, N. J., & Barbey, A. K. (2018). Multi-modal fitness and cognitive training to enhance fluid intelligence. *Intelligence*, *66*, 32-43. <https://doi.org/10.1016/j.intell.2017.11.001>
29. Syväoja, H. J., Kankaanpää, A., Kallio, J., Hakonen, H., Kulmala, J., **Hillman, C. H.**, Pesonen, A.-K., Tammelin, T. H. (2018). The relation of physical activity, sedentary behaviors and academic achievement are mediated by fitness and bedtime. *Journal of Physical Activity and Health*, *15*, 135-143. doi:10.1123/jpah.2017-0135
30. Felez-Nobrega, M., Foster, J. L., Puig-Ribera, A., & **Hillman, C. H.** (2018). Measuring working memory in the Spanish population: validation of a multiple shortened complex span task. *Psychological Assessment*, *30*, 274-279. <http://dx.doi.org/10.1037/pas0000484>
31. Hassevoort, K. M., Khan, N. A., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J. (2018). Relational memory is associated with academic achievement in preadolescent children. *Trends in Neuroscience and Education*, *13*, 8-16. <https://doi.org/10.1016/j.tine.2018.09.001>
32. Raine, L. B., Drollette, E. S., Kao, S.-C., Westfall, D., Chaddock-Heymen, L., Kramer, A. F., Khan, N. A., & **Hillman, C. H.** (2018). The associations between adiposity, cognitive function,

- and achievement in children. *Medicine & Science in Sports & Exercise*, 50, 1868-1874. doi: 10.1249/MSS.0000000000001650
33. Westfall, D. R., Gejl, A. K., Tarp, J., Wedderkopp, N., Kramer, A. F., **Hillman, C. H.**, & Bugge, A. (2018). Associations between aerobic fitness and cognitive control in adolescents. *Frontiers in Psychology*. doi.org/10.3389/fpsyg.2018.01298
34. Singh, A. S., Saliassi, E., van den Berg, V., Uijtdewilligen, L., de Groot, R. H. M., Jolles, J., Andersen, L. B., Bailey, R., Chang, Y.-K., Diamond, A., Ericsson, I., Etner, J., Fedewa, A. L., **Hillman, C. H.**, McMorris, T., Pesce, C., Pühse, U., Tomporowski, P. D., & Chinapaw, M. J. M. (2018). Effects of physical activity interventions on cognitive and academic performance in children and adolescents: A novel combination of a systematic review and recommendations from an expert panel. *British Journal of Sports Medicine*. doi:10.1136/bjsports-2017-098136
35. Esteban-Cornejo, I., Catena, A., **Hillman, C. H.**, Kramer, A. F., Erickson, K. I., & Ortega, F. B. (2018). Commentary: At least eighty percent of brain grey matter is modifiable by physical activity: A review study. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2018.00195
36. Raine, L. B., Biggan, J. R., Baym, C. L., Saliba, B. J., Cohen, N. J., & **Hillman, C. H.** (2018). Adolescent changes in aerobic fitness are related to changes in academic achievement. *Pediatric Exercise Science*, 30, 106-114. doi: 10.1123/pes.2015-0225
37. Saint, S. E., Renzi-Hammond, L. M., Khan, N. A., **Hillman, C. H.**, Frick, J. E., & Hammond, Jr., B. R. (2018). Association between macular carotenoids and cognitive function in preadolescent children. *Nutrients*, 10, 193. doi:10.3390/nu10020193
38. Drollette, E. S., Pontifex, M. B., Raine, L. B., Scudder, M. S., Moore, R. D., Kao, S.-C., Westfall, D. W., Wu, C.-T., Kamijo, K., Castelli, D. M., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2018). Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. *Psychophysiology*, 55, doi:10.1111/psyp.13017
39. Bugge, A., Möller, S., Westfall, D. R., Tarp, J., Gejl, A. K., Wedderkopp, N., & **Hillman, C. H.** (2018). Associations between waist circumference, metabolic risk and executive function in adolescents: a cross-sectional mediation analysis. *PLOS ONE*. doi: pone-d-17-43355r2
40. Johnson, C. L., Schwarb, H., Horecka, K. M., McGarry, M. D., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J., & Barbey, A. K. (2018). Double dissociation of structure-function relationships between memory and fluid intelligence observed with magnetic resonance elastography. *Neuroimage*, 171, 99-106.
41. Kern, B. D., Graber, K. C., Shen, S., **Hillman, C. H.**, & McLoughlin, G. M. (2018). Association of school-based physical activity opportunities, socioeconomic status, and third grade reading. *Journal of School Health*, 88, 34-43. doi: 10.1111/josh.12581
42. Chaddock-Heyman, L., Weng, T. B., Kienzler, C., Erickson, K. I., Voss, M. W., Drollette, E. S., Raine, L. B., Kao, S.-C., **Hillman, C. H.**, & Kramer, A. F. (2018). Scholastic performance and functional connectivity of brain networks in children. *PLOS ONE*.

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43. Chojnacki, M. R., Raine, L. B., Drollette, E. S., Scudder, M. R., Kramer, A. F., **Hillman, C. H.**, & Khan, N. A. (2018). The negative influence of adiposity extends to intraindividual variability in cognitive control among preadolescent children. *Obesity*, *26*, 405-411. doi: 10.1002/oby.22053
 44. Walk, A., Raine, L. B., Kramer, A. F., Cohen, N. J., Khan, N. A., & **Hillman, C. H.** (2017). Differential effects of carbohydrates on behavioral and neuroelectric indices of selective attention in preadolescent children. *Frontiers in Human Neuroscience*. <https://doi.org/10.3389/fnhum.2017.00614>
 45. Ward, N., Paul, E. J., Watson, P. D., Cooke, G. E., **Hillman, C. H.**, Cohen, N. J., Kramer, A. F., & Barbey, A. K. (2017). Enhanced Learning through Multimodal Training: Evidence from a Comprehensive Cognitive, Physical Fitness, and Neuroscience Intervention. *Scientific Reports*, *7*, 5808. doi:10.1038/s41598-017-06237-5
 46. Walk, A. M., Khan, N. A., Barnett, S. M., Raine, L. B., Kramer, A. F., Cohen, N. J., Moulton, C. J., Renzi-Hammond, L. M., Hammond, B. R., & **Hillman, C. H.** (2017). From neuro-pigments to neural efficiency: the relationship between retinal carotenoids and behavioral and neuroelectric indices of cognitive control in childhood. *International Journal of Psychophysiology*, *118*, 1-8. <https://doi.org/10.1016/j.ijpsycho.2017.05.005>
 47. Raine, L. B., Khan, N. A., Drollette, E. S., Pontifex, M. B., Kramer, A. F., & **Hillman, C. H.** (2017). Obesity, visceral adipose tissue, and cognitive function in childhood. *The Journal of Pediatrics*, *187*, 134-140. doi.org/10.1016/j.jpeds.2017.05.023
 48. Bugge, A., Moller, S., Tarp, J., **Hillman, C. H.**, Lima, R. A., Gejl, A. K., & Wedderkopp, N. (2017). Influence of a two to six year physical education intervention on scholastic performance; The CHAMPS study-DK. *Scandinavian Journal of Medicine and Science in Sports*. doi: 10.1111/sms.12902
 49. Marques, A., Santos, D. A., **Hillman, C. H.**, Sardinha, L. B. (2017). How does academic achievement relate to cardiorespiratory fitness, self-reported physical activity and objectively reported physical activity: A systematic review in children and adolescents aged 6-18 years. *British Journal of Sports Medicine*. doi:10.1136/bjsports-2016-097361
 50. Donnelly, J. E., **Hillman, C. H.**, Greene, J. L., Hansen, D. M., Gibson, C. A., Sullivan, D. K., Poggio, J., Mayo, M. S., Lambourne, K., Szabo-Reed, A. N., Herrmann, S. D., Honas, J. J., Scudder, M. S., Betts, J. L., Henley, K., Hunt, S. L., & Washburn, R. A. (2017). Physical activity and academic achievement across the curriculum: results from a 3-year cluster-randomized trial. *Preventive Medicine*, *99*, 140-145. <https://doi.org/10.1016/j.ypmed.2017.02.006>
 51. Schwarb, H., Johnson, C. L., Daugherty, A. M., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J., & Barbey, A. K. (2017). Aerobic fitness, hippocampal viscoelasticity and relational memory performance. *NeuroImage*, *153*, 179-188. <https://doi.org/10.1016/j.neuroimage.2017.03.061>
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Manuscripts Submitted for Publication

1. Leahy, A., Eather, N., Smith, J. J., **Hillman, C. H.**, Morgan, P. J., Nilsson, M., Lonsdale, C., Plotnikoff, R. C., Noetel, M., Halliday, E., Shigeta, T., Costigan, S., Walker, R., Young, S., Valkenbergs, S., Harris, N., Gyawali, P., Kennedy, S., & Lubans, D. R. (2018). A scalable intervention for increasing cardiorespiratory fitness in older adolescents: Rationale and study protocol for the Burn 2 Learn cluster randomised controlled trial.
2. Awick, E. A., Rowland, K., Hillman, C. H., Trinh, L., Kramer, A. F., & McAuley, E. (2018). Dose-response effects of acute aerobic exercise on cognitive function in breast cancer survivors.
3. Zamroziewicz, M. K., Román, F. J., Paul, E. J., Cooke, G. E., Zwilling, C., Allen, C., Cohen, N. J., **Hillman, C. H.**, Kramer, A. F., & Barbey, A. K. (2018). Investigating the Effects of Multi-Modal Training on Neural Networks for Working Memory.
4. Walk, A., Raine, L. B., Kramer, A. F., Cohen, N. J., Khan, N. A., & **Hillman, C. H.** (2018). Acute Nutritional Intake and Neuroelectric Function in Preadolescent Children.

Abstracts (In print or accepted)

1. Westfall, D. R., Anteraper, S. A., Raine, L. B., Drollette, E. S., Chaddock-Heyman, L., Whitfield-Gabrieli, S., Kramer, A. F., & Hillman, C. H. (2019). Differences in the default mode network and cognition between obese and normal weight preadolescent children. *Psychophysiology*.
2. Shigeta, T. T., Bex, P., & Hillman, C. H. (2019). Acute exercise effects on inhibitory control and the pupillary response. *Psychophysiology*.
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Presentations, & Symposia (not included in Abstracts)

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2. Pindus, D. M., Zwillling, C. E., Jarret, J., Talukdar, T., Schwarb, H. S., Hillman, C. H., Cohen, N. J., Kramer, A. F., & Barbey, A. K. (2019). Accelerometer-measured physical activity is positively related to functional connectivity of the dorsal attention network in young adults. *Society for Neuroscience*.
3. Liu, R., Hannon, B. A., Robinson, K. N., Raine, L. B., Hammond, B. R., Renzi-Hammond, L., Cohen, N. J., Kramer, A. F., **Hillman, C. H.**, Teran-Garcia, M., & Khan, N. A. (2019). Single nucleotide polymorphisms in BCO1 and CD36 are related to macular pigment among children. *American Society for Nutrition*.
4. Khan, N. A., Westfall, D. R., Botten, J. H., Perrier, E. T., & **Hillman, C. H.** (2019). The effect of hydration on cognition in children: the WITiKids randomized controlled crossover trial. *American Society for Nutrition*.
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8. Raine, L. B., Logan, N., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2018). Differential relationships of fitness and adiposity on cognitive function. *9th Annual European Youth Heart Study Symposium*.
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11. Westfall, D. R., Raine, L. B., Drollette, E. S., Scudder, M. R., Kao, S.-C., Pontifex, M. B., Kramer, A. F., & **Hillman, C. H.** (2018). Investigation of latent inhibitory control variables and aerobic fitness. *Cognitive Neuroscience Society*.
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16. Kamijo, K., Ishihara, T., Torii, T., & **Hillman, C. H.** (2018). The negative association of underweight to academic performance and cognitive control in undergraduate women. *Cognitive Neuroscience Society*.

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18. Hassevoort, K. M., **Hillman, C. H.**, Khan, N. A., & Cohen, N. J. (2017). Relational memory is positively associated with academic achievement among preadolescent children. *Society for Neuroscience*.
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22. Schwarb, H., Johnson, C. L., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J., & Barbey, A. K. (2017). Double dissociation of structure-function relationships between memory and fluid intelligence using magnetic resonance elastography. *Cognitive Neuroscience Society*.
23. Moore, R. D., **Hillman, C. H.**, & Ellemberg, D. (2016). The Persistent Influence of Concussive Injuries on the Neuroelectric and Behavioral Indices of Attention. South Carolina Institute for Mind & Brain: Neuroscience of Attention, 2nd Annual Conference.
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25. Saint, S. E., Renzi-Hammond, L. M., Khan, N. A., **Hillman, C. H.**, Frick, J. E., & Hammond Jr., B. R. (2017). The Relation Between Dietary and Central Nervous System Lutein and Zeaxanthin and Cognitive Performance in Children. *Society for Research in Child Development*.
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31. Hassevoort, K. M., Zola, S. E., McCorkle, S., Khan, N. A., **Hillman, C. H.**, & Cohen, N. J. (2016). Spatial reconstruction and pattern separation tasks are differentially sensitive to the relationship between health behaviors and hippocampal function. *Cognitive Neuroscience Society*.
32. Sandroff, B. M., **Hillman, C. H.**, Benedict, R. H. B., Motl, R. W. (2016). Acute effects of varying intensities of treadmill walking exercise on cognition in persons with multiple sclerosis. *International Neuropsychological Society*.
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34. 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*.
35. Luque-Casado, A., Perakakis, P., Guerra, P., Llorens, F., Kao, S.-C., **Hillman, C.H.**, & Sanabria, D. (2015). Sport practice, cardiorespiratory fitness and vigilance in young adults: an event-related brain potential study. *20th Annual Congress of the European College of Sport Science*.
36. 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.
37. 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*.
38. 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*.
39. 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*.

40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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*.
50. 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*.

51. 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*.
52. 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*.
53. 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 15-18 2012, Portland, Oregon.
54. 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*.
55. 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*.
56. 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*.
57. 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*.
58. 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*.
59. **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*.
60. 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*.
61. **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*.
 62. 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*.
 63. **Hillman, C. H.** (2005). Exercise and the aging brain. Paper presented to the American College of Sports Medicine, Nashville, TN.
 64. 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.
 65. 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.
 66. 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.
 67. Drobles, 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.** “Run for your life! Fitness, adiposity, and brain health”. Hartford College, CT, April, 2019.
2. **Hillman, C. H.** “Childhood Lifestyle Factors Influence Cognitive and Brain Health”. Jamaica Plain VA Medical Center, Boston, MA, November, 2018.
3. **Hillman, C. H.** “Childhood Lifestyle Factors Influence Cognitive and Brain Health”. The New England College of Optometry Fall 2018 Research Lecture Series. Brookline, MA, November 2018.
4. **Hillman, C. H.** “The UMD Department of Kinesiology from 1997-2000: Reflections on the distant past, the recent past, & the present”. University of Maryland Department of Kinesiology 125th Anniversary Celebration, College Park MD, October 2018.

5. **Hillman, C. H.** “Childhood physical activity effects on brain & cognition”. International Conference of National Taiwan Normal University, Taiwanese Society of Biomedical Engineering, and Ministry of Science and Technology, Tai Pei, Taiwan, September 2018. (Keynote).
6. **Hillman, C. H.** “Insights on the study of childhood health behaviors and cognitive & brain health”. Graduate lecture to the National Taiwan Normal University, Tai Pei, Taiwan, September 2018.
7. **Hillman, C. H.** “Run for your life! Fitness, fatness, and brain health”. 9th Symposium of the European Youth Heart Study, Lisbon, Portugal, September 2018. (Keynote).
8. **Hillman, C. H.** “The effects of acute and chronic physical activity on cognitive and brain health”. Annual Congress of the European College of Sports Sciences, Dublin, Ireland, July, 2018.
9. **Hillman, C. H.** “The effect of hydration on cognition in children: results from the WITikids intervention”. Hydration for Health Conference, Evian, France, June 2018.
10. **Hillman, C. H.** “Childhood health, brain, & cognition”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2018.
11. **Hillman, C. H.** “Childhood health, brain, & cognition”. Department of Psychology, Brigham Young University, Provo, UT, May 2018.
12. **Hillman, C. H.** “The role of childhood physical activity on brain, cognition, and academic Achievement”. 2017 Symposium of the European Initiative for Exercise is Medicine. Lisbon, Portugal, September 2017. (Keynote).
13. **Hillman, C. H.** “Childhood physical activity on brain, cognition, and achievement”. Tufts CTSI-Northeastern Research Summit, Boston, MA, September 2017.
14. **Hillman, C. H.** “The role of physical exercise and fitness on brain, cognition, and academic performance”. Active Brains for All: Exercise, Cognition, and Mental Health International Symposium. Granada, Spain, June 2017. (Keynote).
15. **Hillman, C. H.** “Childhood health and cognitive function”. Influences of Physical Activity/Exercise on Cognitive Health Across the Life Span. Basic Science World Congress Symposium. American College of Sports Medicine. Denver, CO, May, 2017.
16. **Hillman, C. H.** “Physical Activity/fitness, brain, and cognition”. Sport and Physical Activity for Children and Adolescents: Translating Science to Clinical Medicine and Public Health, Exercise is Medicine – Highlighted Symposium. American College of Sports Medicine. Denver, CO, May, 2017.
17. **Hillman, C. H.** “Run for your life! Childhood physical activity effects on brain & cognition”. University of New Castle. New Castle, Australia, May 2017.

18. **Hillman, C. H.** “The relation of childhood fitness to cognition and academic achievement”. The New South Wales Department of Education. South Wales, Australia, May 2017.
19. **Hillman, C. H.** “The relation of exercise, fitness, and adiposity to cognitive and brain health”. The Changing Brain: How Brain Plasticity, Exercise, and Nutrition Affect Function and Cognition Symposium. The American Society for Nutrition. Chicago, IL, April 2017.
20. **Hillman, C. H.** “The relation of childhood health to brain, cognition, and achievement”. New England Chapter of the American College of Sports Medicine. Westfield State University, Westfield, MA, March, 2017.
21. **Hillman, C. H.** “The relation of childhood health to brain, cognition, and achievement”. University of South Carolina, Columbia, South Carolina, February 2017.
22. **Hillman, C. H.** “Childhood health behaviors influence cognitive and brain health”. The RICH Centre, University of Southern Denmark, Odense, Denmark, January 2017.
23. **Hillman, C. H.** “Physical activity, fitness, cognition, & academic achievement in children”. 24th Finnish Conference on Sport and Exercise Medicine. Helsinki, Finland, November 2016.
24. **Hillman, C. H.** “Childhood fitness, health behaviors, brain, and cognition”. The University of Lisbon, Portugal, October 2016.
25. **Hillman, C. H.** “The relation of childhood exercise to brain, cognition, and academic achievement”. Symposium on Exercise, School Success and Best Futures, Lisbon, Portugal, October 2016. (Keynote).
26. **Hillman, C. H.** “Run for your life! Childhood physical activity effects on brain & cognition”. 86th Annual Meeting of the National Academy of Kinesiology, October 2016.
27. **Hillman, C. H.** “The relation of markers of childhood health to brain and cognition”. Department of Kinesiology, University of Massachusetts, October, 2016.
28. **Hillman, C. H.** “Exercise and the brain during youth”. The Inaugural Tom Roland Series Lecture. North American Society for Pediatric Exercise Medicine, Knoxville, TN, August, 2016.
29. **Hillman, C. H.** “The relation of childhood physical activity to brain, cognition, and learning”. The PANDA Symposium. Columbia University Medical Center. New York, April 2016.
30. **Hillman, C. H.** “Physical activity, brain & cognition, and scholastic performance in preadolescent children”. Danish Consensus conference – Children, youth and physical activity. University of Copenhagen, Snekkersten, Denmark, April, 2016.
31. **Hillman, C. H.** “The relation of childhood health behaviors to brain and cognition”. The Clifford Lewis Lecture, Department of Kinesiology, University of Georgia, Athens Georgia, February 2016.

32. **Hillman, C. H.** “The relation of childhood fitness to cognition and academic achievement”. The College of Education, University of Georgia, Athens Georgia, February 2016.
33. **Hillman, C. H.** “The relation of childhood health behaviors to brain, cognition, and achievement”. Department of Kinesiology, Michigan State University, East Lansing, MI, January 2016.
34. **Hillman, C. H.** “The influence of childhood health behaviors on brain, cognition, and achievement”. Baylor University, Houston, TX, January 2016.
35. **Hillman, C. H.** “The relation of physical activity and other health behaviors to cognition, memory, and achievement”. Kisakallio, Finland, November 2015.
36. **Hillman, C. H.** “Eat wise and exercise for better brain health”. Universitat de Vic, Vic, Spain, October 2015.
37. **Hillman, C. H.** “Childhood health behaviors influence brain, cognition, and learning”. Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, FL, September 2015.
38. **Hillman, C. H.** “Eat wise and exercise for better brain health”. European Academy on Child Disabilities, Copenhagen, Denmark, May 2015 (Pre-Congress Lecture).
39. **Hillman, C. H.** “The relation of childhood health behaviors to brain, cognition, and Achievement”. European Academy on Childhood Disabilities, Copenhagen, Denmark, May 2015 (Keynote).
40. **Hillman, C. H.** “Exercise and neurocognitive development in the growing child”. Pediatric Academic Societies Annual Meeting, San Diego, CA, April 2015.
41. **Hillman, C. H.** “The relation of childhood health behaviors to brain and cognition”. 8th European Youth Heart Study Symposium, Oslo, Norway, March 2015. (Keynote).
42. **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.
43. **Hillman, C. H.** “Childhood physical activity and brain structure and function”. GENYOUth/National Dairy Counsel Meeting, Washington DC, January 2015.
44. **Hillman, C. H.** “The relation of childhood health behaviors to brain, cognition, and learning”. The LIKES Institute, University of Jyväskylä, Finland, November, 2014. (Keynote).
45. **Hillman, C. H.** “Childhood health behaviors influence cognitive and brain health”. The RICH Centre, University of Southern Denmark, Odense, Denmark, October 2014. (Keynote).
46. **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.

47. **Hillman, C. H.** “The relation of childhood health behaviors with brain, cognition, and achievement”. The PERFORM Centre, Concordia University, Montreal, Quebec, Canada, May 2014.
48. **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.
49. **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.
50. **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.
51. **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.
52. **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.
53. **Hillman, C. H.** “Run for your life: connecting activity, learning, and obesity”. Danone, Inc., Paris, France, December 2013.
54. **Hillman, C. H.** “The relation of health behaviors to cognition, memory and achievement”. Department of Kinesiology, University of Michigan, Ann Arbor, MI, December 2013.
55. **Hillman, C. H.** “The relationship of childhood fitness and body mass to cognitive and brain health”. Food & Nutrition Conference & Expo. Houston, TX, October 2013.
56. **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.
57. **Hillman, C. H.** “The relation of childhood fitness to brain and cognition”. The Up Amigos! Conference, University of Illinois, Urbana-Champaign, IL, September 2013.
58. **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).
59. **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).

60. **Hillman, C. H.** “The relation of childhood fitness and adiposity to brain health, cognition, and achievement”. Greentown: Naperville Illinois, Naperville, IL, April 2013.
61. **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.
62. **Hillman, C. H.** “The relation of childhood fitness to brain health, cognition, and academic achievement”. University of Virginia, Charlottesville, VA, February 2013.
63. **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.
64. **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.
65. **Hillman, C. H.** “The relation of childhood fitness to brain health, cognition, and achievement.” Bradley University, Peoria, IL, November 2012.
66. **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).
67. **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.
68. **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.
69. **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).
70. **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).
71. **Hillman, C. H.** “The relation of fitness to brain health, cognition, and scholastic achievement.” School of Applied Physiology, Georgia Institute of Technology, May, 2012.
72. **Hillman, C. H.** “Preadolescent fitness and brain health: an educational neuroscience approach.” College of Education, the University of Texas-Austin, Austin, TX, December 2011.
73. **Hillman, C. H.** “The scientific foundation for physical activity, cognition, and achievement.” Urban Physical Education and Students’ Academic Success. NASPE Webinar, November 2011.

74. **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.
75. **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.
76. **Hillman, C. H.** “The relation of fitness to brain health, cognition, and scholastic achievement.” Education Workshop Series, University of Chicago, Chicago, IL November 2011.
77. **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
78. **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).
79. **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.
80. **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.
81. **Hillman, C. H.** “Fit brains: benefits of exercise on cognition, memory, and achievement.” Learning and the Brain Conference, Cambridge, MA, November 2010.
82. **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.
83. **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.
84. **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.
85. **Hillman, C. H.** “Run for your Life!” TEDxUillinois Conference, University of Illinois, Champaign, IL, April, 2010.
86. **Hillman, C. H.** “Aerobic fitness and neurocognitive function during preadolescent childhood.” Department of Psychology, University of Pittsburgh, PA, February, 2010.

87. **Hillman, C. H.** “Physical activity and cognitive control across the lifespan.” Centre for Research on Aging, University of Quebec at Montreal, December, 2009.
88. **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.
89. **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.
90. **Hillman, C. H.** “Physical activity and neurocognitive function across the human lifespan.” Presented to Waseda University, Waseda, Japan, January 2009.
91. **Hillman, C. H.** “Fitness and cognitive control during preadolescent childhood.” Presented to the Exercise Psychology Seminar, Purdue University, IN, October 2008.
92. **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.
93. **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.
94. **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.
95. **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.
96. **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.
97. **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.
98. **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.
99. **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.

100. **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.
101. **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.
102. **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.
103. **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.
104. **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.
105. **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.
106. **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.
107. **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.
108. **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.
109. **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.
110. **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.
111. **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.

112. **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.
113. **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.
114. **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.
115. **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.
116. **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. NIH, National Institute on Aging (R01AG053952), Site PI (Phil Lee, Principal Investigator). “Antioxidant Imaging Marker of Investigating Gains in Neurocognition in an Intervention Trial of Exercise (AIM-IGNITE)”, \$283,968 (April 15, 2019 – May 31, 2021).
2. NIH, National Institute of Child Health and Human Development (HD094054), Principal Investigator: “Sympathetic nervous system mediation of acute exercise effects on childhood brain and cognition”, \$2,210,876 (funded, 2018-2023).
3. National Health and Medical Research Council (NHMRC, APP1120518), Chief-Investigator: “Reducing cardiovascular disease risk factors among older adolescents attending schools in disadvantaged communities: The ‘Burn to Learn’ cluster RCT” (David Lubans, Lead Chief Investigator), \$636,911AUD (funded, 2017-2019).
4. NIH, National Institute on Aging (R01AG053952), Site Co-PI (Kirk Erickson, Principal Investigator). “Investigating Gains in Neurocognition in an Intervention Trial of Exercise”, \$21,899,529 (September 15, 2016 – May 31, 2021).
5. NIH, National Institute on Aging (R01AG053952 supplement), Co-Investigator (Phil Lee, Principal Investigator). “AIM- Investigating Gains in Neurocognition in an Intervention Trial of Exercise”, \$242,093 [subcontract] (February 15, 2019-November 30, 2022).
6. Abbott Nutrition, Co-Investigator: “Retrospectively Studying the Effects of Early Life Nutrient Intake Cognitive Function and Brain Health in Preadolescent Children” (Naiman Khan, Principal Investigator), \$175,475 (funded July 2015 – June 2018).

7. Danone, Principal Investigator: “The Effects of Hydration on Brain, Cognition, Memory & Achievement in Childhood”, \$718,990 (funded 2014-2018).
8. 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 – December 2016).
9. 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).
10. Abbott Nutrition, Principal Investigator: “The Effects of Fortified Nutritional Supplementation on Cognition, Memory, and Achievement”, \$2,261,636 (funded, April 2012).
11. Abbott Nutrition, Co-Investigator: “Optimizing Assessment Tools for Determining Nutritional Enhancement of Learning and Memory” (Neal Cohen, Principal Investigator), \$396,755 (funded, April 2012).
12. NIH, National Institute of Child Health and Human Development (HD069381), 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).
13. 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).
14. USDA, National Institute of Food and Agriculture, “Illinois Transdisciplinary Obesity Prevention Program (I-TOPP)”, (Sharon Donovan, Principal Investigator), \$4,500,000 (funded, February, 2011).
15. NATA Research and Education Foundation, Co-Investigator: “Concussion across the Lifespan: Persistent Effects on Brain, Neurocognitive Function, and Motor Control”, (Steven Broglio, Principal Investigator), \$125,398 (funded, June 2011).
16. NIH, National Institute for Diabetes and Digestive and Kidney Diseases, Co-Investigator: “Physical activity across the curriculum”, (Joseph Donnelly, Principal Investigator), \$535,008 [subcontract] (funded, June, 2010).
17. NIH, National Institute of Child Health and Human Development (HD055352), Principal Investigator: “ERPs to Academics: Exercise Effects on Cognition in School-Aged Children”, \$1,355,107 (funded, September 2008).
18. NIH, National Institute of Mental Health, Ruth L. Kirschstein Individual Predoctoral Fellowship Award (F31), Sponsor (Jason Themanson): “Cardiorespiratory Influences on Executive Control Function”, \$61,579 (funded, March 2006).

19. Institute for the Study of Aging, Co-Investigator: “Physical Activity, Aging, and Neurocognitive Function”, (Arthur Kramer, Principal Investigator) \$100,000 (funded, January 2005).
20. NIH, National Institute on Aging, Principal Investigator: “Exercise, Executive Processes, and the Aging Brain,” \$908,063 (funded, June 2003).
21. 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).

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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 – 2016)

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

Postdoctoral Scholars

2018-present	Rachel Hopman, Ph.D.
2016-present	Lauren Raine, Ph.D.
2018-2019	Phillip O’Connor, M.D. (Resident, Burn ICU, Cook County Hospital, Illinois)
2017-2018	Dominika Pindus, Ph.D. (Assistant Professor at University of Illinois)
2017-2018	Shih-Chun Kao, Ph.D. (Assistant Professor at Purdue University)
2015- 2017	Anne Walk, Ph.D. (Assistant Professor at Eastern Illinois University)
2016- 2017	Eric Drollette, Ph.D. (Assistant Professor at University of North Carolina Greensboro)
2015-2017	John Biggan, Ph.D. (Beckman Institute Postdoctoral Fellow; Politics)
2013-2015	Naiman A. Khan, Ph.D. (Assistant Professor at University of Illinois)
2010-2012	Keita Kamijo, Ph.D. (Assistant Professor at University of Waseda, Japan)

Graduate Students

Supervisor

- Present Daniel Westfall, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2021.
- Present Tatsu Shigato, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2021.
- Present Marc Yanguéz, "TBA". Doctorate of Philosophy Degree, Department of Neuroscience. Université de Genève. To Be Conferred in 2021. (co-Director).
- Present Nicole Logan, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2022.
- Present Katherine McDonald, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2023.
- 2017 Mireia Felez Nobrega, "Patterns of sedentary behavior, physical activity and cognitive outcomes in university young adults: Relationships with academic achievement and working memory capacity". Doctorate of Philosophy Degree, University of Vic, Spain.
- 2017 Shih-Chun Kao, "The effects of single bouts of moderate-intensity continuous exercise and high-intensity interval exercise on the modulations of inhibitory control, working memory, and long-term memory". Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Lauren B. Raine, "Obesity, visceral adipose tissue, and cognition in childhood". Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Mark R. Scudder, "Success in reading... What's the meaning? The relationship of changes in aerobic fitness and adiposity with children's language processing". Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Daniel Westfall, "The association between aerobic fitness and congruency sequence effects in preadolescent children". Master's of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Sasha McCorkle, "Macular Pigment Optical Density is Associated with Academic Achievement". Master's of Science Degree, Division of Nutritional Sciences, University of Illinois.
- 2016 Jeanine Bensken, Non-Thesis Master's of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Eric S. Drollette, "Exercise for the Brain, but for Whom? An Individual Differences Investigation of the FITKids Clinical Trial on Cognitive Control and ERPs in Children". Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.

- 2014 R. Davis Moore, “The Influence of Pediatric Concussion on Cognitive Control and Neuroelectric Function”. Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2012 Chien-Ting Wu, “Aerobic Fitness and the Attentional Blink in Preadolescent Children”. Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 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, Department of Kinesiology & Community Health, University of Illinois.
- 2010 Kevin O’Leary, “The Effects of Single Bouts of Aerobic Exercise, Videogame Play, and Exergaming on Cognitive Control.” Master’s of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2010 Toni Burkhalter, Non-Thesis Master’s of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2009 Dana Ghareeb, Non-Thesis Master’s of Science Degree, Division of Nutritional Sciences, University of Illinois.
- 2009 Phillip O’Connor, Non-Thesis Master’s of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2007 Sarah M. Buck, “The Relationship between Aerobic Fitness and the Attentional Networks in Healthy Preadolescent Children.” Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2007 Jason R. Themanson, “Cardiorespiratory Influences on Executive Control Function.” Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2006 Colleen Russell, Non-thesis Masters of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2004 Darin P. Smith, “Influences of Age and Physical Activity on Psychophysiological Responses During Emotional Picture Processing.” Masters of Science Degree, Department of Kinesiology & Community Health, University of Illinois.

Committee Member

- Present Nicole Betz, Doctorate of Philosophy Degree, Department of Psychology, Northeastern University. To Be Conferred in 2019.
- Present Marc Yanguéz Escalera, Doctorate of Philosophy Degree, University of Geneva, Switzerland. To Be Conferred in 2018.

- Present Anne Kaer Thorsen, Doctorate of Philosophy Degree, Centre of Research in Child Health, Department of Sport Sciences and Clinical Biomechanics, University of Southern Denmark. To Be Conferred in 2018.
- Present Jakob Tarp, Doctorate of Philosophy Degree, Centre of Research in Child Health, Department of Sport Sciences and Clinical Biomechanics, University of Southern Denmark. To Be Conferred in 2018.
- 2018 Christine St. Laurent, Doctorate of Philosophy Degree, Department of Kinesiology, University of Massachusetts-Amherst.
- 2018 Kelsey Hassevoort, Doctorate of Philosophy Degree, the Neuroscience Program, University of Illinois.
- 2018 Morgan Curran, Master of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2017 Sarah Banducci, Doctorate of Philosophy Degree, the Neuroscience Program, University of Illinois.
- 2017 Elizabeth Awick, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Danielle Dickson, Doctorate of Philosophy Degree, Department of Psychology, University of Illinois.
- 2016 Jason Fanning, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2016 Tina Greenlee, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2015 Aldis Sipolins, Doctorate of Philosophy Degree, the Neuroscience Program, University of Illinois.
- 2015 Kasper Skriver, Doctorate of Philosophy Degree, School of Science, University of Copenhagen, Denmark.
- 2015 Emily Cunningham, Master's of Arts Degree, Department of Psychology, University of Illinois.
- 2015 Dominika Pindus, Doctorate of Philosophy Degree, Department of Physical Activity and Public Health, Loughboro University, United Kingdom.
- 2015 Brian Sandroff, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2014 Eero Haapala, Doctorate of Philosophy Degree, Department of Physiology, University of Eastern Finland.
- 2014 Heidi Syväoja, Doctorate of Philosophy Degree, LIKES-Foundation for Sport & Health Sciences, University of Jyväskylä.
- 2014 Kelsey Hassevoort, First Year Project, the Neuroscience Program, University of Illinois.
- 2013 Erin Olson, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2013 Neha Gothe, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2013 Carol Baym, Doctorate of Philosophy Degree. the Neuroscience Program, University of Illinois.
- 2013 Thomas Wojcicki, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2012 Laura Chaddock, Doctorate of Philosophy Degree, the Neuroscience Program, University of Illinois.
- 2012 Naiman Kahn, Doctorate of Philosophy Degree, Division of Nutritional Sciences, University of Illinois.

- 2012 Amanda Szabo, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2012 Tina Matilla, Masters of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2012 Heloisa Alves, Doctorate of Philosophy Degree, Department of Psychology, University of Illinois.
- 2011 James Monti, Masters of Science Degree, the Neuroscience Program, University of Illinois.
- 2011 Chen Pang Wai, Doctorate of Philosophy Degree, The Hong Kong Polytechnic University.
- 2009 Mélanie Renaud, Doctorate of Philosophy Degree, Department of Psychology, University of Quebec at Montreal.
- 2009 Laura Chaddock, Masters of Science Degree, Department of Psychology, University of Illinois.
- 2009 Maritza Alvarado, Doctorate of Philosophy Degree. Department of Psychology, University of Illinois.
- 2008 Brian Gordon, Doctorate of Philosophy Degree. Department of Psychology, University of Illinois.
- 2007 Li-Ling Chuang, Doctorate of Philosophy Degree. Department of Kinesiology & Community Health, University of Illinois.
- 2006 Richard Doyle, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2005 Peter Johannes Kremer, Doctorate of Philosophy Degree, University of Melbourne, Australia.
- 2004 Brian Ragan, Doctorate of Philosophy Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2004 Danielle Gross, Master's of Science Degree, Department of Kinesiology & Community Health, University of Illinois.
- 2003 Erin Snook, Master's of Science Degree, Department of Kinesiology & Community Health, University of Illinois.

Research Practicum

- 2018 Christine Bowler (Bouvé College of Health Sciences, School of Nursing, NRS 7110)

Co-op Students

- 2018 Kay Chow, Psychology, Northeastern University
- 2018 Rebecca Shorin, Health Sciences, Northeastern University
- 2017 Jane Li, Behavioral Neuroscience, Northeastern University

Directed Study Students

- 2019 Nikki Takemori, Doctorate of Physical Therapy Project, Northeastern University
- 2019 Nicole Kui, Doctorate of Physical Therapy Project, Northeastern University
- 2018 Zoe Zwerling, Psychology, Northeastern University
- 2018 Jane Li, Behavioral Neuroscience, Northeastern University
- 2018 Olivia Rowe, Psychology, Northeastern University (Senior Thesis)
- 2017 Rebecca Shorin, Health Sciences, Northeastern University
- 2017 Lisa Ramdas, Psychology & Behavioral Neuroscience, Northeastern University

Work Study Students

- 2018 Anthony Beetem, Behavioral Neuroscience, Northeastern University
- 2017- Jincheng "Benny" Chen, Health Sciences, Northeastern University

Undergraduate Student Committees

Chairperson

- 2016 Jack Soneson, "The Effect of Acute Aerobic Exercise and High-intensity Interval Training on Inhibitory Control and working Memory in Young Adults". Senior Thesis. University of Illinois.
- 2016 Camille Garcia, "The Effect of Acute Aerobic Exercise and High-intensity Interval Training on Inhibitory Control and working Memory in Young Adults". Senior Thesis. University of Illinois.
- 2016 Mario Pacheco, "The dose-response relationship of a physical activity intervention on congruency sequence effects in preadolescent children". Senior Thesis. University of Illinois.
- 2015 Sara Ronde, "The relationship of sex to the effects of a physical activity intervention on childhood cognition". Senior Thesis. Princeton University.
- 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

- 2017 Jairo Migueles, doctoral student, University of Granada, Spain
- 2017 Cristina Cadenas Sanchez, doctoral student, University of Granada, Spain
- 2017 Mireia Felez-Nobrega, doctoral student, University of Vic, Spain
- 2017 Anna Bugge, Visiting Assistant Professor, Fulbright Fellowship, University of Southern Denmark, Odense, Denmark
- 2016 Isabela Ramos, doctoral student, Catholic University of Brasilia, Brazil
- 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, doctoral student, University of Southern Denmark, Odense, Denmark
- 2013 Jakob Tarp, doctoral student, University of Southern Denmark, Odense, Denmark

2011-2012	Takayuki Shishido, Ph.D., Associate Professor, Sendai National College of Technology, Japan
2011-2012	Artur Direito, master's student, Vrije University, Amsterdam, Netherlands

Service

Public and Professional Service

Public Engagement

2016-18	U.S. Health and Human Services, Physical Activity Guidelines for Americans Advisory Committee
2014-18	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
2008-2016	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

- American College of Sport Medicine, member, 1999-present
- 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)
- 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
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
Program Committee American Psychological Association Division 47, 2003 (appointed)
- American Society for Nutrition, 2013-2015
- American Psychological Society, 2009-2012

- Cognitive Development Society, 2005-2009
- Cognitive Neuroscience Society, 2005-2010
- North American Society for the Psychology of Sport and Physical Activity, member, 1996-2003

Federal Government Study Section

- 2016 National Institutes of Health, Special Emphasis Panel, Neurotoxicology and Alcohol Study Section, 2017/01 NAL
- 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)

Promotion and Tenure External Reviewer

- 2015 Dartmouth College
- 2016 University of Toronto
- 2017 University of Florida
- 2018 McGill University
- 2018 University of California Los Angeles

Journal Editorships

- 2016- Journal of Cognitive Enhancement Editorial Advisory Board

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
- Cerebral Cortex, 2018
- 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 & Health Sciences, 2018
- Journal of Sport Sciences, 2005, 2008
- Journal of Sport & Social Issues, 2001, 2002
- Medicine & Science in Sports & Exercise, 2004, 2006, 2010, 2011, 2012, 2016
- Methods, 2008
- Mind, Brain, & Education, 2018
- 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, 2019
- 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, 2015
- Psychosomatic Medicine, 2010
- Research Quarterly for Exercise and Sport, 2005, 2006
- Translational Journal of the American College of Sports Medicine, 2018

Administrative Service to Northeastern University

Department of Psychology

- Presenter at Welcome Day for Admitted Psychology Students & Families, 2017
- Psychology Human Subjects Pool Committee, member, 2017
- Chair, Search Committee for Faculty in Cognitive and Brain Health, 2018-19
- Chair, Search Committee for Faculty in Cognitive and Brain Health, 2017-18
- Chair, Search Committee for Director of Northeastern Bioimaging Center, 2017-18
- Member, Search Committee for MRI Technician, 2018

Department of Physical Therapy, Movement, & Rehabilitation Sciences

- Appointment, Tenure, and Promotion Committee, 2018-present
- Search Committee for Tenure/Tenure-Track Faculty, 2018
- Search Committee for Tenure/Tenure-Track Faculty in PTMRS/Biology, 2018-19

Department of Health Sciences

- Appointment, Tenure, and Promotion Committee, 2017
- Administrator Review Committee, 2017

Administrative Service to the University of Illinois

Department of Kinesiology and Community Health

Chairperson:

- Biobehavioral Kinesiology Coordinator, Fall 2011-2016 (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:

- Search Committee, Department Head, Department of Kinesiology & Community Health, 2015-16 (appointed)
- Department of Kinesiology & Community Health Tenure and Promotion Committee, 2011-2014 (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)

Division of Nutritional Sciences

- Executive Committee, Member, 2014-2017 (elected)
- 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- 2015 (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- 2015 (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, 2014-2015 (appointed)
- Provost's 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
- 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)
- IRB Focus Group, 2003 (invited)

Select Media Appearances

- *National Public Radio*, "Physical Activity Guidelines To Change For The First Time in 10 Years", Morning Edition. November 12, 2018. <https://www.npr.org/sections/health-shots/2018/11/12/666744493/new-physical-activity-guidelines-urge-americans-move-more-sit-less>
- *National Public Radio*, "2018 Physical Activity Guidelines for Americans", All Things Considered. November 12, 2018. <http://abcnews.go.com/GMA/video/research-links-physical-activity-children-higher-academic-performances-48124311>
- *The New York Times*, "Losing fat, gaining brain power, on the playground", June 16, 2017, <https://www.nytimes.com/2017/06/16/magazine/losing-fat-gaining-brain-power-on-the-playground.html>
- *BBC iWonder*, <http://www.bbc.co.uk/guides/ztxng82>
- *CNN*, "Math-letes rule! Fit, health kids do better in school, especially math", August 31, 2015. <http://www.cnn.com/2015/08/31/health/fit-kids-better-math/>
- *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-exercise-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