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Professional Experience

2017-present Associate 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

- 2021 Japan Society for the Promotion of Science (JSPS), International Fellowship for Research in Japan (JSPS Bridge Fellowship)
- 2021 RQES Distinguished Lecture at SHAPE America
- 2020 Fellow of the Association for Psychological Science
- 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. Black M. M., Singhal A., **Hillman, C. H.** (2020). *Building Future Health and Well-Being of Thriving Toddlers and Young Children. Nestlé Nutrition Institute Workshop Series. Volume 95*, ISBN 978-3-318-06865-8. doi: 10.1159/000511508
2. 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. Cachia, A., Ribeiro, S., Chiao, J.Y., Friston, K., **Hillman, C. H.**, Linzarini, A., Lipina, S., Howard-Jones, P., Dubois, J., Jay, T., Le Bihan, D., Harada, T., Li, Z., Van Honk, J., Blizinsky, K.D., Gutchess, A.H., Goh, J.O.S., Losin, E.R. and Iidaka, T. (2022). ‘Brain development and maturation in the context of learning’ in Bugden, S. and Borst, G. (eds.) *Education and the Learning Experience in Reimagining Education: The International Science and Evidence based Education Assessment* [Duraiappah, A.K., Atteveldt, N.M. van et al. (eds.)]. New Delhi: UNESCO MGIEP. In Press.
2. Castelli, D.M., **Hillman, C.H.**, Raine, L., & Drollette, E.S. (2021). Ten years later: what we learned about after-school programming from the Fitness Improves Thinking in Kids (FITKids) clinical trial. In Marttinen R., Centeo E., & Quarmby T. (Eds.), *Before- and After-School Physical Activity Programs: Frameworks, Critical Issues, and Underserved Populations* (pp. 83-95). Routledge: Abingdon, United Kingdom. ISBN: 9781003051909
3. **Hillman, C. H.**, McDonald, K. M., & Logan, N. E. (2020). A review of the effects of physical activity on cognition and brain health across children and adolescence. In M.M. Black, A. Singhal, **C.H. Hillman** (Eds.), *Building Future Health and Well-Being of Thriving Toddlers and Young Children. Nestlé Nutrition Institute Workshop Series. Volume 95*, pp. 1-11. ISBN 978-3-318-06865-8. doi: 10.1159/000511508
4. **Hillman, C. H.** (2020). Summary on health behaviors and the developing brain. In M.M. Black, A. Singhal, **C.H. Hillman** (Eds.), *Building Future Health and Well-Being of Thriving Toddlers and Young Children. 95th Nestlé Nutrition Institute Workshop Series. Volume 95*, pp. 1-4. ISBN 978-3-318-06865-8. doi: 10.1159/000511520
5. Drollette, E. S. & **Hillman, C. H.** (2020). Cognitive and academic benefits for school age children. In T. Brusseau, S. Fairclough, & D. Lubans (Eds.), *The Routledge Handbook of Youth Physical Activity (chapter 7)*. Routledge, Taylor & Francis Group: London & New York. <https://doi.org/10.4324/9781003026426>

6. 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
7. **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.
8. 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
9. **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.
10. **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
11. 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.
12. **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.
13. **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.
14. 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.
15. 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.
16. 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. Morris, T. P., Burzynska, A., Voss, M., Fanning, J., Salerno, E. A., Prakash, R., Gothe, N. P., Whitfield-Gabrieli, S., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (in press). Brain structure and function predict adherence to an exercise intervention in older adults. *Medicine & Science in Sports & Exercise*.
2. Logan, N. E., Westfall, D. R., Raine, L. B., Anteraper, S. A., Chaddock-Heyman, L., Whitfield-Gabrieli, S., Kramer, A. F., & **Hillman, C. H.** (in press). The differential effects of adiposity and fitness on functional connectivity in preadolescent children. *Medicine & Science in Sports & Exercise*.
3. Logan, N. E., Henry, D. A., **Hillman, C. H.**, & Kramer, A. F. (2022). Trained athletes and cognitive function: a systematic review and meta-analysis. *International Journal of Sport and Exercise Psychology*. doi: 10.1080/1612197X.2022.2084764
4. Valkenborghs, S. R., **Hillman, C. H.**, Al-Iedani, O., Nilsson, M., Smith, J. J., Leahy, A. A., Harries, S. K., Ramadan, S., & Lubans, D. R. (2022). Effects of high-intensity interval training on hippocampal metabolism in older adolescents. *Psychophysiology*, e14090. doi: 10.1111/psyp.14090
5. Muntaner-Mas, A., Mora-Gonzalez, J., Cabanas-Sánchez, V., Berninches Pintado, L., Salmon, J., **Hillman, C. H.**, Castro Piñero, J., Perales, J. C., Veiga, O. L., & Esteban-Cornejo, I. (2022). Prospective associations between physical fitness and executive function in adolescents: the UP&DOWN study. *Psychology of Sport & Exercise*, 61, 102203. <https://doi.org/10.1016/j.psychsport.2022.102203>
6. Esteban-Cornejo, I. Ho, F., Petermann, F., Martinez-Gomez, D., Lyall, D., Cabanas-Sanchez, V., Ortega, F. B., **Hillman, C. H.**, Sattar, N., Pell, J. P., Gray, S. R., & Celis-Morales, C. (2022). Handgrip strength and all-cause dementia incidence and mortality: a prospective cohort study of

- nearly half a million UK Biobank participants. *Journal of Cachexia, Sarcopenia and Muscle*, *13*, 1514-1525. doi: 10.1002/jcsm.12857
7. Robinson, K. J., Lubans, D. R., Mavilidi, M. F., Valkenborghs, S. R., Barker, D., **Hillman, C. H.**, Benzing, V., & Riley, N. (2022). Effects of classroom-based resistance training with and without cognitive training on adolescents' cognitive function, on-task behavior, and muscular fitness. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2022.811534
 8. Willis, N. B., Muñoz, C. X., Mysonhimer, A. R., Edwards, C. G., Wolf, P. G., **Hillman, C. H.**, Burd, N. A., Holscher, H. D., & Khan, N. A. (2022). Hydration biomarkers are related to the differential abundance of fecal microbiota and plasma lipopolysaccharide binding protein in adults. *Annals of Nutrition and Metabolism*, *77*, 37-45. doi: 10.1159/000520478.
 9. Torres-Lopez, L. V., Cadenas-Sanchez, C., Migueles, J. H., Esteban-Cornejo, I., Molina-Garcia, P., **Hillman, C. H.**, Catena, A., & Ortega, F. B. (2022). Does sleep-disordered breathing add to impairments in academic performance and brain structure usually observed in children with overweight/obesity? *European Journal of Pediatrics*. <https://doi.org/10.1007/s00431-022-04403-0>
 10. Moore, D., Jung, M., **Hillman, C. H.**, Kang, M., & Loprinzi, P. (2022). Interrelationships between exercise, functional connectivity, and cognition among healthy adults: a systematic review. *Psychophysiology*, e14014. doi: 10.1111/psyp.14014
 11. Morris, T. P., Kucyi, A., Anteraper, S. A., Geddes, M. R., Nieto-Castañon, A., Burzynska, A., Gothe, N. P., Fanning, J., Salerno, E. A., Whitfield-Gabrieli, S., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2022). Resting state functional connectivity provides mechanistic predictions of future changes in sedentary behavior. *Scientific Reports*, *12*, 940. <https://doi.org/10.1038/s41598-021-04738-y>
 12. Raine, L. B., Watrous, J. N. H., McDonald, K., Logan, N. E., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2022). Aerobic fitness, B-vitamins, and weight status are related to selective attention in children. *Nutrients*, *14*, 201. <https://doi.org/10.3390/nu14010201>
 13. Chueh, T.-Y., Hsieh, S.-S., Tsai, Y.-J., Yu, C.-L., Hung, C.-L., Benzing, V., Schmidt, M., Chang, Y.-K., **Hillman, C. H.**, & Hung, T.-M. (2022). Effects of a single bout of moderate-to-vigorous physical activity on executive functions in children with attention-deficit/hyperactivity disorder: A systematic review and meta-analysis. *Psychology of Sport & Exercise*, *58*, 102097. <https://doi.org/10.1016/j.psychsport.2021.102097>
 14. Nemeskal, C. S., Raine, L. B., Watrous, J., & **Hillman, C. H.** (2021). The relationship between sleep and cognitive and physical health. *International Journal of High School Research*, *vol 3*, 6-10. https://terra-docs.s3.us-east-2.amazonaws.com/IJHSR/Articles/volume3-issue5/2021_35_p6_Nemeskal.pdf
 15. Shigeta, T. T., Morris, T. P., Henry, D. H., Kucyi, A., Bex, P., Kramer, A. F., & **Hillman, C. H.** (2021). Acute exercise effects on inhibitory control and the pupillary response in young adults. *International Journal of Psychophysiology*, *170*, 218-228. <https://doi.org/10.1016/j.ijpsycho.2021.08.006>

16. Hsieh, S.-S., Raine, L. B., Ortega, F. B., & **Hillman, C. H.** (2021). The role of chronic physical activity in alleviating the detrimental effects of childhood obesity on brain and cognition. *Journal of Cognitive Enhancement*. <https://doi.org/10.1007/s41465-021-00230-7>
17. Morris, T. P., Ai, M., Chaddock-Heyman, L., McAuley, E., **Hillman, C. H.**, & Kramer, A. F. (2021). Relationships between enriching early life experiences and cognitive function later in life are mediated by educational attainment. *Journal of Cognitive Enhancement*, 5, 449-458. <https://doi.org/10.1007/s41465-021-00208-5>
18. Liu, R., Hannon, B. A., Robinson, K. N., Raine, L. B., Hammond, B. R., Renzi-Hammond, L. M., Cohen, N. J., Kramer, A. F., **Hillman, C. H.**, Teran-Garcia, M., & Khan N. A. (2021). Single nucleotide polymorphisms in CD36 are associated with macular pigment among children. *The Journal of Nutrition*, 9, 2533-2540. doi: 10.1093/jn/nxab153
19. Lubans, D. R., Smith, J. J., Eather, N., Leahy, A. A., Morgan, P. J., Lonsdale, C., Plotnikoff, R. C., Nilsson, M., Kennedy, S. G., Holliday, E. G., Weaver, N., Noetel, M., Shigeta, T. T., Mavilidi, M. F., Valkenborghs, S. R., Gyawali, P., Walker, R., Costigan, S. A., **Hillman, C. H.** (2021). Time-efficient intervention to improve older adolescents' cardiorespiratory fitness: Findings from the 'Burn 2 Learn' cluster randomised controlled trial. *British Journal of Sports Medicine*, 55, 751-758. doi:10.1136/bjsports-2020-103277
20. Syväoja, H. J., Kankaanpää, A., Hakonen, H., Inkinen, V., Kulmala, J., Joensuu, L., Räsänen, P., **Hillman, C. H.**, & Tammelin, T. H. (2021). How physical activity, fitness, and motor skills contribute to math performance – cognitive function as a mediating factor. *Scandinavian Journal of Medicine & Science in Sports*, 31, 2310-2321. doi: 10.1111/sms.14049
21. Yangüez, M., Bediou, B., **Hillman, C. H.**, Bavelier, D., & Chanal, J. (2021). The indirect role of executive functions on the relationship between cardiorespiratory fitness and school grades. *Medicine & Science in Sports & Exercise*, 53, 1656-1665. doi: 10.1249/MSS.0000000000002630
22. Hwang, J.Y., **Hillman, C. H.**, Lee, I-M., Fernandez, A., & Lu, A. (2021). Comparison of inhibitory control after acute bouts of exergaming between children with obesity and their normal weight peers. *Games for Health Journal*, 10, 1-9. doi: 10.1089/g4h.2020.0018
23. Chaddock-Heyman, L., Weng, T., Loui, P., Kienzler, C., Weissshappel, R., Drollette, E. S., Raine, L. B., Westfall, D., Kao, S.-C., Pindus, D. M., Baniqued, P., Castelli, D. M., **Hillman, C. H.**, & Kramer, A. F. (2021). Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. *Psychophysiology*. doi: 10.1111/psyp.13890
24. Ishihara, T., Drollette, E. S., Ludyga, S., **Hillman, C. H.**, & Kamijo, K. (2021). The effects of acute aerobic exercise on executive function: a systematic review and meta-analysis of individual participant data. *Neuroscience and Biobehavioral Reviews*, 128, 258-269. <https://doi.org/10.1016/j.neubiorev.2021.06.026>
25. Ai, M., Morris, T. P., Ordway, C., Quinoñez, E., D'Agostino, F., Whitfield-Gabrieli, S., **Hillman, C. H.**, Pindus, D. M., McAuley, E., Mayo, N., Noriega de la Colina, A., Phillips, S., Kramer, A. F., & Geddes, M. (2021). The daily activity study of health (DASH): A pilot

- randomized controlled trial to enhance physical activity in sedentary older adults. *Contemporary Clinical Trials*, 106, 106405. <https://doi.org/10.1016/j.cct.2021.106405>
26. Lonsdale, C., Sanders, T., Parker, P., Noetel, M., Hartwig, T., Vasconcellos, D., Lee, J., Antczak, D., Kirwan, M., Morgan, P., Salmon, J., Moodie, M., McKay, H., Bennie, A., Plotnikoff, R. C., Cinelli, R., Greene, D., Peralta, L., Cliff, D., Kolt, G., Gore, J., Gao, L., Boyer, J., Morrison, R., **Hillman, C. H.**, Shigeta, T., Tan, E., Lubans, D. R. (2021). Effectiveness of a scalable school-based intervention to improve children's cardiorespiratory fitness: The 'internet-based Professional Learning to help teachers promote Activity in Youth' (iPLAY) cluster randomized controlled trial. *JAMA Pediatrics*. doi:10.1001/jamapediatrics.2021.0417
 27. Morris, T. P., Chaddock-Heyman, L., Ai, M., Arnold-Anteraper, S., Nieto-Castanon, A., Whitfield Gabrieli, S., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2021). Enriching activities during childhood are associated with variations in functional connectivity patterns later in life. *Neurobiology of Aging*, 104, 92-101. <https://doi.org/10.1016/j.neurobiolaging.2021.04.002>
 28. Kline, C. E., **Hillman, C. H.**, Bloodgood Sheppard, B., Tennant, B., Conroy, D. E., Macko, R. F., Marquez, D. X., Petruzzello, S. J., Powell, K. E., & Erickson, K. I. (2021). Physical activity and sleep: An updated umbrella review of the 2018 Physical Activity Guidelines. *Sleep Medicine Reviews*, 58, 101489. <https://doi.org/10.1016/j.smrv.2021.101489>
 29. Donahue, P. T., Grove, G., Stillman, C., Kang, C., Burns, J., **Hillman, C. H.**, Kramer, A. F., McAuley, E., Vidoni, E., & Erickson, K. I. (2021). Estimating the financial costs associated with a phase III, multi-site exercise intervention trial: Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE). *Contemporary Clinical Trials*, 105, 106401. <https://doi.org/10.1016/j.cct.2021.106401>
 30. Mavilidi, M. F., Mason, C., Leahy, A., Kennedy, S. G., Eather, N., **Hillman, C. H.**, Morgan, P. J., Lonsdale, C., Wade, L., Riley, N., Heemskerk, C., & Lubans, D. R. (2021). Effects of a physical activity intervention on senior school students' on-task behaviour and subjective vitality: The Burn 2 Learn cluster randomised controlled trial. *Educational Psychology Review*, 33, 299-323. <https://doi.org/10.1007/s10648-020-09537-x>
 31. Shigeta, T. T., Leahy, A. A., Smith, J. J., Eather, N., Lubans, D. R., & **Hillman, C. H.** (2021). Cardiorespiratory and muscular fitness associations with older adolescent cognitive control. *Journal of Sport and Health Sciences*, 10, 82-90. <https://doi.org/10.1016/j.jshs.2020.05.004>
 32. Raine, L. B., McDonald, K., Shigeta, T. T., Hsieh, S.-S., Hunt, J., Chiarlitti, N. A., Lim, M., Gebhardt, K., Collins, N., De Lisio, M., Mullen, S. P., Kramer, A. F., & **Hillman, C. H.** (2021). Sympathetic nervous system and exercise affects on cognition in youth (SNEACY): study protocol for a randomized crossover trial. *Trials*, 22, 154. <https://doi.org/10.1186/s13063-021-05096-w>
 33. Migueles, J. H., Martinez-Nicolas, A., Cadenas-Sanchez, C., Esteban-Cornejo, I., Muntaner-Mas, A., Mora-Gonzalez, J., Rodriguez-Ayllon, M., Madrid, J., Rol, M., **Hillman, C. H.**, Catena, A., & Ortega, F. B. (2021). Activity-rest circadian pattern and academic achievement, executive

- function and intelligence in children with obesity. *Scandinavian Journal of Medicine & Science in Sports*, 31, 653-664. doi: 10.1111/sms.13862
34. Lin, C.-C., Hsieh, S.-S., Chang, Y.-K., Huang, C.J., **Hillman, C. H.**, Hung, T.-M. (2021). Up-regulation of proactive control is associated with beneficial effects of childhood gymnastics program on response preparation and working memory. *Brain and Cognition*, 149, 105695. <https://doi.org/10.1016/j.bandc.2021.105695>
35. Tarp, J., Gejl, A., **Hillman, C. H.**, Wedderkopp, N., & Bugge, A. (2021). Does additional physical education improve exam performance at the end of compulsory education? A secondary analysis from a natural experiment: the CHAMPS-study DK. *Children*, 8, 57. <https://doi.org/10.3390/children8010057>
36. Esteban-Cornejo, I., Stillman, C. M., Rodriguez-Ayllon, M., Kramer, A. F., **Hillman, C. H.**, Catena, A., Erickson, K. I., & Ortega, F. B. (2021). Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: the ActiveBrains project. *Brain, Behavior, and Immunity*, 91, 284-295. doi: 10.1016/j.bbi.2020.10.006
37. Hsieh, S. S., Chueh, T. Y., Huang, C. J., Kao, S. C., **Hillman, C. H.**, Chang, Y. K., & Hung, T. M. (2021). Systematic review of the acute and chronic effects of high-intensity interval training on executive function across the lifespan. *Journal of Sports Sciences*, 39, 10-22. doi: 10.1080/02640414.2020.1803630
38. Logan, N. E., Raine, L. B., Drollette, E. S., Castelli, D. M., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2021). The differential relationship of an afterschool physical activity intervention on brain function and cognition in children with obesity and their normal weight peers. *Pediatric Obesity*, 16, e12708. doi: 10.1111/ijpo.12708
39. Saint, S. E., Hammond Jr., B. R., Khan, N. A., **Hillman, C. H.**, & Renzi-Hammond, L. M. (2021). Temporal vision is related to cognitive function in preadolescent children. *Applied Neuropsychology: Child*, 10, 319-326. doi: 10.1080/21622965.2019.1699096
40. Migueles, J. H., Cadenas-Sanchez, C., Esteban-Cornejo, I., Mora-Gonzalez, J., Rodriguez-Ayllon, M., Solis-Urra, P., Erickson, K. I., Kramer, A. F., **Hillman, C. H.**, Catena, A., & Ortega, F. (2021). Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. *Pediatric Obesity*, 16, e12707. doi: 10.1111/ijpo.12707
41. Kao, S.-C., Wang, C.-H., Kamijo, K., Khan, N., & **Hillman, C. H.** (2021). Acute effects of highly intense interval and moderate continuous exercise on the modulation of neural oscillation during working memory. *International Journal of Psychophysiology*, 160, 10-17. doi: <https://doi.org/10.1016/j.ijpsycho.2020.12.003>
42. Kennedy, S. G., Leahy, A. A., Smith, J. J., Eather, N., **Hillman, C. H.**, Morgan, P. J., Plotnikoff, R. C., Boyer, J., & Lubans, D. R. (2020). Process evaluation of a school-based high-intensity interval training program for older adolescents: The Burn 2 Learn cluster randomised controlled trial. *Children*, 7, 299. doi:10.3390/children7120299

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Presentations, & Symposia (not included in Abstracts)

1. Pindus, D. M., Ai, M., Chaddock-Heyman, L., Burzynska, A., Voss, M., Gothe, N., Salero, E. A., Fanning, J., Anteraper, S. A., Castanon, A., Whitfield-Gabrieli, S., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2022). Sustained moderate-to-vigorous physical activity is related to enhanced resting state functional connectivity in cognitively salient brain networks in seniors. *Society for Neuroscience*.
2. Manczurowsky, J., Cline, T., **Hillman, C. H.**, & Hasson, C. J. (2022). Effects of hot and cold cognitive loads on the control of locomotion with neuromuscular impairment. *Society for Neuroscience*.
3. McDonald, K., Gabbard-Durnam, L., De Lisio, M., Raine, L. B., Morris, T., Bernard-Willis, Y., Watrous, J., Cline, T., Beaudry, K., Kramer, A. F., & Hillman, C. H. (2022). Hypocortisolism linked to depression in children during the pandemic lockdown. *Society for Neuroscience*.
4. Angebrandt, A., Granda, P. R., Zwillling, C. E., Anderson, E. D., Culpepper, S., & Barbey, A. K. (2022). Network modularity predicts executive function performance throughout multimodal training. *Society for Neuroscience*.
5. Pindus, D. M., Edwards, C. G., Walk, A. M., Zwillling, C. E., Talukdar, T., Anderson, E. D., Jarret, J. S., Schwarb, H. S., Reeser, G., Burd, N. A., Holscher, H. D., Cohen, N. J., Kramer, A. F., **Hillman, C. H.**, & Khan, N. A. (2022). The associations between accelerometer-measured sedentary time and behavioral and neurofunctional correlates of cognitive control in young and middle-aged adults. *Neuronus*.
6. Manczurowsky, J., Cline, T., **Hillman, C. H.**, & Hasson, C. J. (2022). A model system for testing rehabilitation interventions: imposing temporary neuromotor and cognitive impairments in healthy individuals. *The Medical Rehabilitation Research Resource (MR3) Network*.
7. Tinney, E., Loui, P., Kramer, A. F., **Hillman, C. H.**, & Johnson, C. L. (2022). The relationship between cognition and white matter integrity in mild cognitive impairment using diffusion tensor tractography. *Cognitive Neuroscience Society*.
8. Hsieh, S.-S., Kao, S.-C., Raine, L. B., McDonald, K. M., & **Hillman, C. H.** (2022). Effects of acute exercise on inhibitory control and frontal theta oscillations in preadolescent children. *FENS Forum: Federation of European Neuroscience Societies*.
9. Lubans, D., Smith, J., Eather, N., Leahy, A., Morgan, Lonsdale, C., Plotnikoff, R., Nilsson, Kennedy, Holliday, Weaver, Noetel, Shigeta, T. Mavilidi, Valkenborghs, Gyawali, Walker,

- Costigan, **Hillman, C. H.** (2021). Time-efficient physical activity intervention for older adolescents: the ‘Burn 2 Learn’ cluster randomised controlled trial. *Sports Medicine Australia e-Conference*.
10. Mora-Gonzalez, J., Ortega, F. B., Cadenas-Sanchez, C., Esteban-Cornejo, I., Migueles, J. H., Solis-Urra, P., Verdejo-Román, J., Rodriguez-Ayllon, M., Molina-Garcia, P., Ruiz, J. R., Martinez-Vizcaino, V., **Hillman, C. H.**, Erickson, K. I., Kramer, A. F., Labayen, I., & Catena, A. (2021). Role of cardiorespiratory fitness on the effects of the ActiveBrains exercise randomized controlled trial on brain health outcomes in children with overweight/obesity. *International Congress: “Promoting Brain Health Through Exercise Across the Lifespan”*. Granada, Spain.
 11. Migueles, J. H., Martinez-Nicolas, A., Cadenas-Sanchez, C., Esteban-Cornejo, I., Muntaner-Mas, A., Mora-Gonzalez, J., Rodriguez-Ayllon, M., Madrid, J., Rol, M., **Hillman, C. H.**, Catena, A., & Ortega, F. B. (2021). Activity-rest circadian pattern and academic achievement, executive function and intelligence in children with obesity (2021). *International Congress: “Promoting Brain Health Through Exercise Across the Lifespan”*. Granada, Spain.
 12. Logan, N. E., Westfall, D. R., Raine, L. B., Anteraper, S. A., Chaddock-Heyman, L., Whitfield-Gabrieli, S., Kramer, A. F., & **Hillman, C. H.** (2021). The differential effects of adiposity on functional connectivity in preadolescent children. *Society for Neuroscience*.
 13. McDonald, K., Morris, T., Anteraper, S., Voss, M., Whitfield-Gabrieli, S., Erickson, K. I., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2021). Data-driven MRI analysis reveals fitness-sensitive functional change in default mode network following exercise intervention leads to increased cognitive performance. *Society for Neuroscience*.
 14. Esteban-Cornejo, I., Stillman, C. M., Rodriguez-Ayllon, M., Kramer, A. F., **Hillman, C. H.**, Catena, A., Erickson, K. I., & Ortega, F. B. (2021). Physical fitness, hippocampal functional connectivity and academic performance in children with overweigh/obesity: The ActiveBrains Project. *Flux Society*.
 15. Willis, N. B., Munoz, C. X., Krug, A. R., Thompson, S. V., Edwards, C. G., **Hillman, C. H.**, Burd, N. A., Holscher, H. D., & Khan, N. A. (2021). Copeptin is related to mucolytic gut bacteria and gut barrier function. *13th Annual Hydration for Health Conference*.
 16. Morris, T. P., Whitfield-Gabrieli, S., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2021). Brain-based metrics are better predictors of adherence to exercise interventions than psychosocial and behavioral measures and provide mechanistic insights. *The University of British Columbia Virtual Brain Health Symposium*.
 17. Eklund, N., Donofry, S. D., Gallo, M., Grove, G., Stillman, C., Burns, J., Vidoni, E., McAuley, E., **Hillman, C. H.**, Kramer, A. F., & Erickson, K. I. (2021). Associations between hormone replacement therapy and cardiorespiratory fitness with verbal and visual memory performance in post-menopausal women. *North American Menopause Society*.
 18. Torres-Lopez, L. V., Cadenas-Sanchez, C., Migueles, J. H., Esteban-Cornejo, I., Molina-Garcia, P., **Hillman, C. H.**, Catena, A., & Ortega, F. B. (2021). Sleep-related breathing disorders are

- related to poorer academic performance in children with overweight/obesity, yet not with brain volumes. *ISBNPA x Change Initiative Virtual Conference*. June 8-10, 2021.
19. Mora-Gonzalez, J., Esteban-Cornejo, I., Solis-Urra, P., Cadenas-Sanchez, C., Rodriguez-Ayllon, M., **Hillman, C. H.**, Kramer, A., & Ortega, F. B. (2021). A 4.5-month physical exercise program induces brain activation changes in children with overweight/obesity: The ActiveBrains project. *ISBNPA x Change Initiative Virtual Conference*. June 8-10, 2021.
 20. Ai, M., Morris, T. P., Chaddock-Heyman, L., Loui, P., Whitfield-Gabrieli, S., **Hillman, C. H.**, McAuley, E., Kramer, A. F. (2021). Musical experience relates to functional connectivity in older adults. *The Gerontological Society of America*.
 21. Yanguéz Escalera, M., **Hillman, C. H.**, Bediou, B., Bavelier, D., & Chanal, J. (2020). Cardiorespiratory fitness and scholastic performance in 8-12 year old: an investigation of the mediating role of executive functions. *Flux*.
 22. McDonald, K., Anteraper, S., Voss, M., Whitfield-Gabrieli, S., Erickson, K., **Hillman, C.**, McAuley, E., & Kramer, A. (2020). Improvement through movement: Investigating fitness, functional connectivity, and cognition in older adults. *Society for Psychophysiological Research* (virtual presentation due to Covid-19).
 23. Yanguéz Escalera, M., **Hillman, C. H.**, Bediou, B., Bavelier, D., & Chanal, J. (2020). Cardiorespiratory fitness, executive functions, and scholastic performance: examining the cognitive mediation mechanisms. 12th Annual Meeting of the Swiss Society of Sport Sciences.
 24. Willis, N., B., Westfall, D. R., Bottin, J. H., Perrier, E. T., **Hillman, C. H.**, & Khan, N. A. (2020). Characterizing dietary and physical activity patterns in relation to hydration among pre-adolescent children. *American Society for Nutrition*.
 25. Hoffman, J. A., Schmidt, E. M., Arguello, D. J., Eyllon, M. N., Castaneda-Sceppa, C., & **Hillman, C. H.** (2020). Online preschool teacher training to promote physical activity in young children: a pilot cluster randomized controlled trial. *National Research Conference on Early Childhood*.
 26. Moore, M., Goodwin, G. J., Anderson, E., Zwillig, C., Talukdar, T., **Hillman, C. H.**, & Barbey, A. K. (2020). Individual differences in personality traits and meta-traits are associated with features of intrinsic resting state brain networks. *Cognitive Neuroscience Society*.
 27. Kao, S.-C., Wang, C.-H., Kamijo, K., Lin, C.-C., Khan, N., & **Hillman, C. H.** (2020). Acute effects of highly intense interval and moderate continuous exercise on the modulation of neural oscillations during working memory. *Cognitive Neuroscience Society*.
 28. Logan, N. E., Raine, L. B., Kramer, A. F., & **Hillman, C. H.** (2020). Excess body mass influences the effects of acute exercise on preadolescent brain function and cognition. *Active Brain 2020*.
 29. Mavilidi, M. F., Mason, C., Leahy, A., Kennedy, S. G., Eather, N., **Hillman, C. H.**, Morgan, P. J., Lonsdale, C., Wade, L., Riley, N., Heemskerk, C., & Lubans, D. R. (2020). Effects of a

- physical activity intervention on senior school students' on-task behaviour and subjective vitality: The Burn 2 Learn cluster randomised controlled trial. *19th Annual International Society of Behavioral Nutrition and Physical Activity*.
30. Stillman, C. M., Wollam, M. E., McDonald, M., Alley, M., Richards, E.A., Grove, G., Kramer, A. F, McAuley, E., Sutton, B., **Hillman, C. H.**, Vidoni, E., Burns, J., Huang, H., Watt, J. C., & Erickson, K. I. (2020). Associations between hippocampal volume, subjective, and spatial working memory performance in the IGNITE cohort. *Cognitive Aging Conference*.
 31. Peven, J. C., Huang, H., Grove, G. A., Sutton, B., **Hillman, C. H.**, Kramer, A.F., Burns, J., Vidoni, E., McAuley, E., Forman, D., Crisafio, M., Donahue, P., Erickson, E. I. (2020). Cardiorespiratory fitness is associated with white matter hyperintensity burden in late-life. *Cognitive Aging Conference*.
 32. Chen, Y., Raine, L., Kramer, A. F., **Hillman, C. H.**, & Loui, P. (2020). Are two activities better than one? Effects of music training and physical activity on cognitive development. *International Association for Music and Medicine*.
 33. Rodriguez-Ayllon, M., Esteban Cornejo, I., Verdejo- Román, J., Muetzel, R. L., Migueles, J. H., Mora-Gonzalez, J., Solis-Urra, P., Erickson, K. I., **Hillman, C. H.**, Catena, A., Tiemeier, H., & Ortega, F. B. (2019). The association of objectively measured physical activity and sedentary time with white matter microstructure in children with overweight or obesity: The ActiveBrains project. *International Workshop: A focus on statistical methods to analyse accelerometer-measured physical activity*, Granada, Spain.
 34. Hopman, R., Logan, N. E., **Hillman, C. H.**, & Kramer, A. F. (2019). Physical activity in virtual environments: Effects on cognitive performance. *Psychonomics*.
 35. Hopman, R. J., Logan, N. E., **Hillman, C. H.**, & Kramer, A. F. (2019). Effects of cognitive performance from navigation and physical activity in virtual reality. Poster presentation at the 4th Annual Shaping How We Invest for Tomorrow Convention. Jackson Hole, WY.
 36. McDonald, K., Anteraper, S. A., Voss, M., Whitfield-Gabrieli, S., Erickson, K. I., **Hillman, C. H.**, McAuley, E., & Kramer, A. F. (2019). Improvements in hippocampal-lateral pre-frontal cortex resting-state anticorrelations following exercise interventions. *Society for Neuroscience*.
 37. Pindus, D. M., Zwilling, C. E., Jarret, J., Talukdar, T., Schwarb, H. S., Cohen, N. J., Barbey, A. K., Kramer, A. F., & **Hillman, C. H.** (2019). Accelerometer-measured physical activity is positively related to functional connectivity of the dorsal attention network in young adults. *Society for Neuroscience*.
 38. 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*.

39. 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*.
40. Bottin, J. H., Perrier, E. T., Khan, N. A., Westfall, D. R., Jones, A. R., Sinn, M. A., & **Hillman, C. H.** (2019). Hydration biomarkers response to a low and high fluid intake intervention in children. *European Congress on Obesity*.
41. Hwang, J. Y., Fernandez, A., Gutiérrez-Arango, S., Hashimoto, M., **Hillman, C. H.**, & Lu, A. S. (2019). Classification of physical activity intensities for exergaming using a hip-worn accelerometer in 8-to-12-year-old children. *18th Annual International Society of Behavioral Nutrition and Physical Activity*.
42. Bugge, A., Tarp, J., Gejl, A. K., Möller, S., Jespersen, E., Møller, N. C., Klakk, H., **Hillman, C. H.**, & Wedderkopp, N. (2018). Long-term influence of the CHAMPS study-DK; cardiovascular risk factors and scholastic performance. *9th Annual European Youth Heart Study Symposium*.
43. 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*.
44. Bottin, J., Morin, C., Westfall, D., Covello, A., Guelinckx, I., Perrier, E. T., Zemdegs, J., Khan, N., & **Hillman, C. H.** (2018). Hydration in children: From fluid intake to cognitive performance. *European Federation of the Associations of Dietitians*.
45. Raine, L. B., Drollette, E. S., Kao, S.-C., Westfall, D., Chaddock-Heyman, L., Kramer, A. F., Khan, N. A., & **Hillman, C. H.** (2018). The associations between obesity and visceral adipose tissue with cognitive function and achievement in children. *Cognitive Neuroscience Society*.
46. 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*.
47. Pindus, D. M., Raine, L. B., Drollette, E. S., Westfall, D., Kao, S.-C., Pontifex, M. B., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2018). Daily physical activity patterns are related to faster P3 latency in preadolescents. *Cognitive Neuroscience Society*.
48. Esteban-Cornejo, I., Mora-González, J., Cadenas-Sánchez, C., Contreras-Rodriguez, O., Verdejo-Roman, J., Henriksson, P., Migueles, J. H., Rodriguez-Ayllon, M., Molina-García, P., Suo, C., **Hillman, C. H.**, Catena, A., Verdejo-García, A., & Ortega, F. B. (2018). The role of physical fitness components on overall and regional cortical thickness in overweight/obese children: preliminary results from the ActiveBrains project. *Cognitive Neuroscience Society*.
49. Meadows, C. C., **Hillman, C. H.**, & Drollette, E. S. (2018). Cycling as an effective modality for improving inhibitory control and maintaining brain function and academic achievement in 9- to 10-year old children. *Cognitive Neuroscience Society*.

50. Kao, S.-C., Rittendale, J. P., Kamijo, K., Drollette, E. S., Khan, N. A., & **Hillman, C. H.** (2018). The acute effects of moderate-intensity aerobic exercise and high-intensity interval exercise on working memory. *Cognitive Neuroscience Society*.
51. 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*.
52. Kondiboyina, V., Raine, L. B., Kramer, A. F., Khan, N., **Hillman, C. H.**, & Shefelbine, S. J. (2018). Effect of exercise on bone health in kids aged 8-9 years. *American Society of Bone and Mineral Research*.
53. 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*.
54. **Hillman, C. H.** (2017). Childhood fitness and brain health. 50th Annual Winter Conference on Brain Research. Big Sky, Montana.
55. Talukdar, T., Zwilling, C., Nikolaidis, A., Roman, F., Paul, E., **Hillman, C.**, Cohen, N., Kramer, A., Barbey, A. (2016). Aerobic fitness and brain plasticity. White House BRAIN Initiative. Arlington, VA.
56. Scudder, M. R., Federmeier, K. D., Drollette, E. S., Raine, L. B., Kao, S.-C., Khan, N. A., Kramer, A. F., & **Hillman, C. H.** (2017). Biomarkers of children's standardized academic achievement using neuroelectric measures of language processing. *Cognitive Neuroscience Society*.
57. 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*.
58. 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.
59. Fanning, J., Roberts, S.A., **Hillman, C.H.**, Mullen, S.P., Ritterband, L., & McAuely, E. (2017). The individual and combined impact of two social cognitive smartphone modules on application usage: a randomized factorial trial. *CBC Health Conference*.
60. 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*.
61. Walk, A., Moulton, C., Raine, L., Kuchan, M., Cohen, N., Kramer, A., Hammond, B., Renzi-Hammond, L., **Hillman, C. H.**, & Khan, N. (2016). Macular carotenoids are positively related to academic achievement in pre-adolescent children. *European Society for Clinical Nutrition and Metabolism*.

62. Richards, J., Lubans, D., **Hillman, C. H.**, Faulkner, G., Beauchamp, M. R., Nilsson, M., Kelly, P., Smith, J. J., Raine, L., & Biddle, S. J. (2016). Mechanistic pathways for physical activity and mental health: systematic review informing a framework for future research. *International Society of Behavioral Nutrition and Physical Activity*.
63. Hassevoort, K. M., Lin, A., Zola, S. E., **Hillman, C. H.**, Khan, N. A., & Cohen, N. J. (2016). Dietary sugar is related to creativity performance during childhood. *Society for Neuroscience*.
64. Schwarb, H. Johnson, C. L., Daugherty, A. M., **Hillman, C. H.**, Kramer, A. F., Cohen, N. J., & Barbey, A. K. (2016). Hippocampal viscoelasticity mediates the benefits of aerobic fitness on memory in healthy young adults. *Society for Neuroscience*.
65. MacKenzie, M. J., Zuniga, K. E., Raine, L. B., Awick, E. A., Roberts, S. A., Chaddock-Heyman, L., **Hillman, C. H.**, Kramer, A. F., & McAuley, E. (2016). A case-control investigation of cardiorespiratory fitness on executive control in a task switching paradigm. *International Cancer & Cognition Task Force Meeting*.
66. 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*.
67. 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*.
68. Neimiro, G., Raine, L. B., Khan, N. A., Emmons, R., Little, J., Kramer, A. F., & **Hillman, C. H.**, De Lisio, M. (2015). The relationship between circulating progenitor cells and cognitive function in overweight/obese children. *Canadian Society for Exercise Physiology*.
69. 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*.
70. 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*.
71. 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.
72. 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*.

73. 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*.
74. 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.
75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. 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.
82. 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.

83. 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.
84. 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*.
85. 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*.
86. 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*.
87. 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*.
88. 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.
89. 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*.
90. 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*.
91. 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*.
92. 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*.
93. 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.

94. **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*.
95. 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*.
96. **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*.
97. 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*.
98. **Hillman, C. H.** (2005). Exercise and the aging brain. Paper presented to the American College of Sports Medicine, Nashville, TN.
99. 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.
100. 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.
101. 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.
102. 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.** "The relation of excess adiposity to brain, cognition, and academic achievement". Japan Society of Exercise Physiology, Sapporo, Japan, August, 2022. (Keynote).
2. **Hillman, C. H.** "Childhood physical activity effects on brain health and cognition". Department of Sports Cultural Studies, Hokkaido University of Education, Sapporo, Japan. August, 2022.

3. **Hillman, C. H.** “Childhood physical activity and excess adiposity on brain and cognition”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2022.
4. **Hillman, C. H.** “Childhood physical activity and excess adiposity on brain and cognition”. Department of Psychology, Union College. Schenectady, NY. May 2022.
5. **Hillman, C. H.** “Childhood physical activity and excess adiposity on brain and cognition”. International Congress on Promoting Brain Health Through exercise across the lifespan, Granada Spain, December 2021. *Virtual presentation due to Covid-19.*
6. **Hillman, C. H.** “Childhood physical activity and Brain Network Modularity”. Developmental Science and Neuroscience and Behavior Colloquia, Department of Psychology & Brain Sciences, University of Massachusetts Amherst, October 2021. *Virtual presentation due to Covid-19.*
7. **Hillman, C. H.** “Childhood physical activity effects on brain, cognition, and achievement”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2021. *Virtual presentation due to Covid-19.*
8. **Hillman, C. H.** “Physical activity, brain, and cognition in preadolescent children”. Lifestyle interventions and cognitive development session. Canadian Nutrition Society. May 2021. *Virtual presentation due to Covid-19.*
9. **Hillman, C. H.** “Childhood physical activity effects on brain, cognition, and achievement”. The RQES Lecture at SHAPE America, Salt Lake City, UT, April 2021. (RQES Distinguished Lecture). *Virtual due to Covid-19.*
10. **Hillman, C. H.** “Physical activity, adiposity, and brain health in children.” Barry McKeown Lecture, Department of Kinesiology, University of Texas at Arlington, November 2020. *Virtual presentation due to Covid-19.*
11. **Hillman, C. H.** “Physical activity, brain, and cognition”. Nestle Nutrition Institute 95th Workshop: Building Future Health & Well-Being on Thriving Toddlers and Young Children. Rio de Janeiro, Brazil, September 2020. *Virtual presentation due to Covid-19.*
12. **Hillman, C. H.** “Childhood physical activity, brain health, & cognition”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2020. *Virtual presentation due to Covid-19.*
13. **Hillman, C. H.** “Run for your life! The physical activity guidelines and implications for brain health”. Harvard Medical School: Lifestyle Medicine – Tools for Promoting Healthy Change CME Course, Boston, MA, June 2020. *Virtual presentation due to Covid-19.*
14. **Hillman, C. H.** “Physical activity, adiposity, and brain health in children”. Active Brain 2020, Canberra, Australia, May 2020. (Keynote). *Cancelled due to Covid-19.*

15. **Hillman, C. H.** “Physical activity and the developing brain”. Physical Activity in Schools – From Theory to Practice. University College Copenhagen, Denmark, February 2020. (Keynote).
16. **Hillman, C. H.** “Physical activity and brain health”. Third Scientific Conference on Motor Skill Acquisition, Kisakallio, Finland, November 2019. (Keynote).
17. **Hillman, C. H.** “Childhood health, brain, & cognition”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2019.
18. **Hillman, C. H.** “Childhood physical activity effects on brain and cognition”. Hydration for Health Preconference Workshop at the 66th Annual Meeting of the American College of Sports Medicine, Orlando, FL, May 2019.
19. **Hillman, C. H.** “Run for your life! Fitness, adiposity, and brain health”. Hartford College, CT, April, 2019.
20. **Hillman, C. H.** “Childhood Lifestyle Factors Influence Cognitive and Brain Health”. Jamaica Plain VA Medical Center, Boston, MA, November, 2018.
21. **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.
22. **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.
23. **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).
24. **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.
25. **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).
26. **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.
27. **Hillman, C. H.** “The effect of hydration on cognition in children: results from the WITikids intervention”. Hydration for Health Conference, Evian, France, June 2018.
28. **Hillman, C. H.** “Childhood health, brain, & cognition”. Nutrition & Metabolism Program, School of Medicine, Boston University, Boston, MA, June 2018.

29. **Hillman, C. H.** “Childhood health, brain, & cognition”. Department of Psychology, Brigham Young University, Provo, UT, May 2018.
30. **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).
31. **Hillman, C. H.** “Childhood physical activity on brain, cognition, and achievement”. Tufts CTSI-Northeastern Research Summit, Boston, MA, September 2017.
32. **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).
33. **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.
34. **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.
35. **Hillman, C. H.** “Run for your life! Childhood physical activity effects on brain & cognition”. University of New Castle. New Castle, Australia, May 2017.
36. **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.
37. **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.
38. **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.
39. **Hillman, C. H.** “The relation of childhood health to brain, cognition, and achievement”. University of South Carolina, Columbia, South Carolina, February 2017.
40. **Hillman, C. H.** “Childhood health behaviors influence cognitive and brain health”. The RICH Centre, University of Southern Denmark, Odense, Denmark, January 2017.
41. **Hillman, C. H.** “Physical activity, fitness, cognition, & academic achievement in children”. 24th Finnish Conference on Sport and Exercise Medicine. Helsinki, Finland, November 2016.

42. **Hillman, C. H.** “Childhood fitness, health behaviors, brain, and cognition”. The University of Lisbon, Portugal, October 2016.
43. **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).
44. **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.
45. **Hillman, C. H.** “The relation of markers of childhood health to brain and cognition”. Department of Kinesiology, University of Massachusetts, October, 2016.
46. **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.
47. **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.
48. **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.
49. **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.
50. **Hillman, C. H.** “The relation of childhood fitness to cognition and academic achievement”. The College of Education, University of Georgia, Athens Georgia, February 2016.
51. **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.
52. **Hillman, C. H.** “The influence of childhood health behaviors on brain, cognition, and achievement”. Baylor University, Houston, TX, January 2016.
53. **Hillman, C. H.** “The relation of physical activity and other health behaviors to cognition, memory, and achievement”. Kisakallio, Finland, November 2015.
54. **Hillman, C. H.** “Eat wise and exercise for better brain health”. Universitat de Vic, Vic, Spain, October 2015.
55. **Hillman, C. H.** “Childhood health behaviors influence brain, cognition, and learning”. Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, FL, September 2015.

56. **Hillman, C. H.** “Eat wise and exercise for better brain health”. European Academy on Child Disabilities, Copenhagen, Denmark, May 2015 (Pre-Congress Lecture).
57. **Hillman, C. H.** “The relation of childhood health behaviors to brain, cognition, and Achievement”. European Academy on Childhood Disabilities, Copenhagen, Denmark, May 2015 (Keynote).
58. **Hillman, C. H.** “Exercise and neurocognitive development in the growing child”. Pediatric Academic Societies Annual Meeting, San Diego, CA, April 2015.
59. **Hillman, C. H.** “The relation of childhood health behaviors to brain and cognition”. 8th European Youth Heart Study Symposium, Oslo, Norway, March 2015. (Keynote).
60. **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.
61. **Hillman, C. H.** “Childhood physical activity and brain structure and function”. GENYOUth/National Dairy Counsel Meeting, Washington DC, January 2015.
62. **Hillman, C. H.** “The relation of childhood health behaviors to brain, cognition, and learning”. The LIKES Institute, University of Jyväskylä, Finland, November, 2014. (Keynote).
63. **Hillman, C. H.** “Childhood health behaviors influence cognitive and brain health”. The RICH Centre, University of Southern Denmark, Odense, Denmark, October 2014. (Keynote).
64. **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.
65. **Hillman, C. H.** “The relation of childhood health behaviors with brain, cognition, and achievement”. The PERFORM Centre, Concordia University, Montreal, Quebec, Canada, May 2014.
66. **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.
67. **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.
68. **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.
69. **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.

70. **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.
71. **Hillman, C. H.** “Run for your life: connecting activity, learning, and obesity”. Danone, Inc., Paris, France, December 2013.
72. **Hillman, C. H.** “The relation of health behaviors to cognition, memory and achievement”. Department of Kinesiology, University of Michigan, Ann Arbor, MI, December 2013.
73. **Hillman, C. H.** “The relationship of childhood fitness and body mass to cognitive and brain health”. Food & Nutrition Conference & Expo. Houston, TX, October 2013.
74. **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.
75. **Hillman, C. H.** “The relation of childhood fitness to brain and cognition”. The Up Amigos! Conference, University of Illinois, Urbana-Champaign, IL, September 2013.
76. **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).
77. **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).
78. **Hillman, C. H.** “The relation of childhood fitness and adiposity to brain health, cognition, and achievement”. Greentown: Naperville Illinois, Naperville, IL, April 2013.
79. **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.
80. **Hillman, C. H.** “The relation of childhood fitness to brain health, cognition, and academic achievement”. University of Virginia, Charlottesville, VA, February 2013.
81. **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.
82. **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.
83. **Hillman, C. H.** “The relation of childhood fitness to brain health, cognition, and achievement.” Bradley University, Peoria, IL, November 2012.

84. **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).
85. **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.
86. **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.
87. **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).
88. **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).
89. **Hillman, C. H.** “The relation of fitness to brain health, cognition, and scholastic achievement.” School of Applied Physiology, Georgia Institute of Technology, May, 2012.
90. **Hillman, C. H.** “Preadolescent fitness and brain health: an educational neuroscience approach.” College of Education, the University of Texas-Austin, Austin, TX, December 2011.
91. **Hillman, C. H.** “The scientific foundation for physical activity, cognition, and achievement.” Urban Physical Education and Students’ Academic Success. NASPE Webinar, November 2011.
92. **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.
93. **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.
94. **Hillman, C. H.** “The relation of fitness to brain health, cognition, and scholastic achievement.” Education Workshop Series, University of Chicago, Chicago, IL November 2011.
95. **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
96. **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).

97. **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.
98. **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.
99. **Hillman, C. H.** “Fit brains: benefits of exercise on cognition, memory, and achievement.” Learning and the Brain Conference, Cambridge, MA, November 2010.
100. **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.
101. **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.
102. **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.
103. **Hillman, C. H.** “Run for your Life!” TEDxUillinois Conference, University of Illinois, Champaign, IL, April, 2010.
104. **Hillman, C. H.** “Aerobic fitness and neurocognitive function during preadolescent childhood.” Department of Psychology, University of Pittsburgh, PA, February, 2010.
105. **Hillman, C. H.** “Physical activity and cognitive control across the lifespan.” Centre for Research on Aging, University of Quebec at Montreal, December, 2009.
106. **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.
107. **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.
108. **Hillman, C. H.** “Physical activity and neurocognitive function across the human lifespan.” Presented to Waseda University, Waseda, Japan, January 2009.
109. **Hillman, C. H.** “Fitness and cognitive control during preadolescent childhood.” Presented to the Exercise Psychology Seminar, Purdue University, IN, October 2008.
110. **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.

111. **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.
112. **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.
113. **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.
114. **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.
115. **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.
116. **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.
117. **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.
118. **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.
119. **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.
120. **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.
121. **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.
122. **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.

123. **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.
124. **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.
125. **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.
126. **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.
127. **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.
128. **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.
129. **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.
130. **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.
131. **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.
132. **Hillman, C. H.** “Exercise and the aging brain: Electro cortical indices of executive function.” Presented to the Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL, January 2001.
133. **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.
134. **Hillman, C. H.** “Combining visual and cortical assessment for psychophysiological performance profiling of marksmen.” Presented to the United States Olympic Training Center, Colorado Springs, CO, October 1999.

External Grants

1. National Science Foundation, Graduate Research Fellowship Award, Sponsor (Madison “Sonny” Card): “Developing an ecologically valid cognitive assessment battery: The EcoCog Study”, \$138,000 (funded, 2022-2025).
2. NIH, National Heart Lung and Blood Institute (OT2HL161847), co-investigator (Multi-PI: Leora Horwitz, Stuart Katz, Andrea Troxel) (Site PI: Laurel Gabbard-Durnam). “A multi-site observational study of post-acute sequelae of SARS-CoV-2 infection in pediatric populations”, sub-award: \$750,000 (funded, 4/12/2021-4/11/2025).
3. NIH, National Institute on Aging (R35AG072307), Site Co-PI (Kirk Erickson, Principal Investigator). “Physical activity and dementia: Mechanisms of action”, \$171,228 (NU subaward) (May 15, 2021 – April 01, 2024).
4. National Health and Medical Research Council (NHMRC, APP2007095), Chief-Investigator: “Effectiveness and cost effectiveness of a time-efficient school-based physical activity intervention for older adolescents living with disability” (David Lubans, Lead Chief Investigator), \$712,780AUD (funded, 2021-2024).
5. NIH, National Institute of Child Health and Human Development (HD097332), co-investigator (Naiman Khan, Principal Investigator). “Enhancing Children's Cognitive Function and Achievement through Carotenoid Consumption”, \$2,921,907, (October 1, 2021 – September 30, 2026).
6. NIH, National Institute on Aging (P30 AG049785), co-investigator (Dinesh John, Principal Investigator). “An integrated two-way communication and near-real-time sensing system to detect and modify daily inactivity among adults over age 60”, \$74,959 (June 1, 2020 – May 31, 2021).
7. NIH, National Institute on Aging (P30 AG049785), co-investigator (Maiya Geddes, Principal Investigator). “Changing and understanding motivation to increase physical activity among sedentary older adults”, \$100,562 (July 1, 2019 – June 30, 2020).
8. NIH, National Institute on Aging (R01AG053952 Supplement), Site Co-PI (Kirk Erickson, Principal Investigator). “Investigating Gains in Neurocognition in an Intervention Trial of Exercise (PET Supplement)”, \$5,382,304 (September 1, 2019 – June 01, 2022).
9. 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).
10. 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).
11. 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).
12. 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).
 13. 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).
 14. Danone, Principal Investigator: “The Effects of Hydration on Brain, Cognition, Memory & Achievement in Childhood”, \$718,990 (funded 2014-2018).
 15. 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).
 16. 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).
 17. Abbott Nutrition, Principal Investigator: “The Effects of Fortified Nutritional Supplementation on Cognition, Memory, and Achievement”, \$2,261,636 (funded, April 2012).
 18. Abbott Nutrition, Co-Investigator: “Optimizing Assessment Tools for Determining Nutritional Enhancement of Learning and Memory” (Neal Cohen, Principal Investigator), \$396,755 (funded, April 2012).
 19. 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).
 20. 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).
 21. USDA, National Institute of Food and Agriculture, “Illinois Transdisciplinary Obesity Prevention Program (I-TOPP)”, (Sharon Donovan, Principal Investigator), \$4,500,000 (funded, February, 2011).
 22. 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).

23. 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).
24. 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).
25. 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).
26. Institute for the Study of Aging, Co-Investigator: “Physical Activity, Aging, and Neurocognitive Function”, (Arthur Kramer, Principal Investigator) \$100,000 (funded, January 2005).
27. NIH, National Institute on Aging, Principal Investigator: “Exercise, Executive Processes, and the Aging Brain,” \$908,063 (funded, June 2003).
28. 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. Northeastern University Tier 1 Mentored Award: Co-Investigator (Dami Ko, Principal Investigator): “Physical Frailty Complicated with Cognitive Impairment in Liver Transplant Recipients”, \$45,650 (funded, July, 2020).
2. 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).
3. 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).
4. 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).
5. Illinois Transdisciplinary Obesity Prevention Program: Co-Investigator (L. Raine/ N. Khan, Principal Investigators): “From Visceral Adiposity to ERPs”, \$10,000 (funded, February, 2013).
6. 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).

7. 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).
 8. 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).
 9. 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).
 10. 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).
 11. 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).
 12. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: “Acute Effects of Resistance Training on Cognitive Performance”, \$9,175 (funded, March 2006).
 13. 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).
 14. 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).
 15. University of Illinois at Urbana-Champaign Research Board, Principal Investigator: “Executive Control Processes in Older Physically Active Adults,” \$18,987 (funded, December 2000).
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Teaching Experience

Undergraduate & Graduate Courses

Northeastern University (September 2016 – Present)

PSYC8402 Special Topics in Psychology: Grant Writing for Young Investigators
PT5229 Physical Therapy Projects 2

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

2020-2022 Timothy Morris, Ph.D. (Assistant Professor at Northeastern University)
2019-2021 Shu-Shih Hsieh, Ph.D. (Lecturer, Department of Psychology, Kingston University, UK)
2018-2021 Rachel Hopman, Ph.D. (Learning Science Researcher, Pearson)
2016-2021 Lauren Raine, Ph.D. (Assistant Professor at Northeastern University)
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 Chukyo University, Japan)

Graduate Students

Supervisor

Present Madison "Sonny" Card, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2027.

Present Tatsu Shigato, "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.

Present Emma Tinney, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2026.

Present Trevor Cline, "TBA". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2026.

Present Mark Nwakamma, "TBA". Doctorate of Philosophy Degree, Department of Physical Therapy, Movement, and Rehabilitation Sciences. Northeastern University. To Be Conferred in 2026.

2022 Nicole Logan, "Obesity, Physical Activity, Cognition and Brain Function in Preadolescent Children". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University. To Be Conferred in 2022.

2021 Daniel Westfall, "The role of cortical morphometry of functional connectivity networks in understanding the associations between aerobic fitness and cognition". Doctorate of Philosophy Degree, Department of Psychology. Northeastern University.

- 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 Jacob Gurera, Doctorate of Philosophy Degree, Northeastern University. To be conferred in 2023.
- 2021 Marc Yanguéz Escalera, Doctorate of Philosophy Degree, University of Geneva, Switzerland. (Role: External Advisor)
- 2021 Jessica Leffers, Doctorate of Philosophy Degree, Department of Psychology, Northeastern University.
- 2019 Nicole Betz, Doctorate of Philosophy Degree, Department of Psychology, Northeastern University.
- 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.

Senior Honors Thesis

- 2022 Nicole Occidental, Behavioral Neuroscience, Northeastern University, "TBD".
- 2019 Olivia Rowe, Department of Psychology, Northeastern University, "The effect of acute, moderate-intensity exercise on creative thinking in children of varying body mass percentiles.

Research Practicum

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

Co-op Students

- 2021 Brittany Keller, Psychology, Northeastern University
- 2021 Abbigail Padilla, Health Sciences, Northeastern University
- 2021 Ysabeau Bernard-Willis, Behavioral Neuroscience, Northeastern University
- 2018 Kay Chow, Psychology, Northeastern University
- 2018 Rebecca Shorin, Health Sciences, Northeastern University
- 2017 Jane Li, Behavioral Neuroscience, Northeastern University

Directed Study Students

- 2022 Alisa Posner, Behavioral Neuroscience, Directed Study, Northeastern University
- 2022 Ethan Makarewycz, Department of Psychology, Directed Study, Northeastern University
- 2021 Nicole Occidental, Behavioral Neuroscience, Directed Study, Northeastern University
- 2021 Abbigail Padilla, Department of Health Sciences, Capstone Project, Northeastern University
- 2021 Sofia Mazuera, Department of Psychology, Directed Study, Northeastern University
- 2021 Johnathan L'Hommedieu, Doctorate of Physical Therapy Project, Northeastern University
- 2021 Tyler Axelson, Doctorate of Physical Therapy Project, Northeastern University
- 2021 Hannah Donnelly, Doctorate of Physical Therapy Project, Northeastern University
- 2020 Shruti Agrawal, Capstone Project, Behavioral Neuroscience, Northeastern University
- 2020 Kyle Curtis, Doctorate of Physical Therapy Project, Northeastern University
- 2020 Amy Haggerty, Doctorate of Physical Therapy Project, Northeastern University
- 2020 Andy Kaplan, Doctorate of Physical Therapy Project, Northeastern University
- 2020 Gwen Wilbert, Doctorate of Physical Therapy Project, Northeastern University
- 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

Undergraduate Student Committees

Chairperson

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- 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.

High School Students

- 2021-2022 Hale Boyden, St. Johnsbury Academy, Vermont
- 2021 Charles, Zheng, Nobles and Greenough High School, Dedham, MA
- 2020 Rian Dickman, Valley Central High School, NY (Senior Thesis)
- 2020 Greta Goldade, Orono High School, Long Lake, MN (Senior Project)
- 2019-2020 Catie Nemeskal, Danvers High School, MA (Summer Intern (2), Senior Science Project)

Visiting Scholars

- 2018 Francisco Ortega, Professor, University of Granada, Spain
- 2018 David Lubans, Professor, University of Newcastle, Australia
- 2017 Timo Jaakola, Professor, University of Jyvaskyla, Finland
- 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

2020	New England Future Faculty Workshop Reviewer
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

- European Congress on Sports Sciences, Brain Health Special Interest Group (Organizing Committee), 2022-present
- American College of Sports Medicine, member, 1999-present
American College of Sports Medicine, Scientific Roundtable for Updating the Components of Physical Fitness, 2022 (invited)
- 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)
- American Psychological Society, 2009-2012, 2020-present
- American Psychological Association, member, 1996-2005, 2020-present
Program Committee American Psychological Association Division 47, 2003 (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 Society for Nutrition, 2013-2015
- 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

- 2021 Arizona State University
- 2020 Merrimack College
- 2018 McGill University
- 2018 University of California Los Angeles
- 2017 University of Florida
- 2016 University of Toronto
- 2015 Dartmouth College

Journal Editorships

- 2020 Nestlé Nutrition Institute Workshop Series (Vol. 95), *Building Future Health and Well-Being of Thriving Toddlers and Young Children*, Special Issue Editor
- 2016-17 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

- Behavioural Brain Research, 2021
- Biological Psychology, 2003, 2005, 2008, 2010, 2011, 2012, 2015, 2020
- Brain and Cognition, 2008
- Cerebral Cortex, 2018, 2019
- Cerebral Cortex Communications, 2020
- 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
- Nestlé Nutrition Institute Workshop Series, 2020
- 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, 2020, 2021
- Pediatric Exercise Science, 2007, 2010, 2013, 2021
- Perceptual and Motor Skills, 2002
- Proceedings of the National Academy of Sciences of the United States of America, 2020
- 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, 2017-18
- Chair, Search Committee for Director of Northeastern Bioimaging Center, 2017-18
- Chair, Search Committee for Faculty in Cognitive and Brain Health, 2018-19
- Member, Search Committee for MRI Technician, 2018
- Member, Search Committee for Faculty in Cognitive and Brain Health, 2018-19

Department of Physical Therapy, Movement, & Rehabilitation Sciences

- Appointment, Tenure, and Promotion Committee, member: 2018-2019, chair: 2019-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

College of Science

- College of Science, Tenure and Promotion Advisory Committee, 2020 – 2021
- Chair, College of Science, Tenure and Promotion Advisory Committee, 2021 – 2022
- College of Science Excellence in Research Award Review Committee, 2022

Bouvé College of Health Sciences

- Bouvé Research Task Force, Member, 2021-2022
- Bouvé Research and Development Committee, Member, 2021-present
- School of Clinical and Rehabilitation Sciences (SoCRS) Research Mission Task Force, 2021
- Cognitive and Brain Health Impact Engine Faculty Search Committee, Chair, 2021-2022
- Research Culture Task Force, Committee Member, 2021

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

- Top of Mind with Julie Rose, "Exercise makes you smarter". August 26, 2020.
- *The Washington Post*, "Why a little bit of exercise can help academically for kids with ADHD", August 15, 2020, https://www.washingtonpost.com/health/exercise-breaks-help-kids-with-adhd-learn/2020/08/14/57f41e94-cc2f-11ea-bc6a-6841b28d9093_story.html?hpid=hp_national1-8-

- 12_adhdexercise-455pm%3Ahomepage%2Fstory-ans&fbclid=IwAR3As-
ChaR1S9NU6AUO62e3pbCiuATr6DckVi5mCNtpNQkQRRLqSaU0pUl8#comments-wrapper
- *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
- *The New York Times*, “Sports Psychology; It Isn’t Just a Game: Clue to Avid Rooting”, August 11, 2000