Naiman A. Khan, PhD, RD

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

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EDUCATION

May 2012 **Doctor of Philosophy in Nutritional Sciences**
University of Illinois, Urbana, IL

May 2009 **Master of Science in Nutritional Sciences**
University of Illinois, Urbana, IL

May 2006 **Bachelor of Science in Nutritional Sciences**
Louisiana State University, Baton Rouge, LA

PROFESSIONAL CREDENTIALS

2009-Present Registration in Dietetics (RD)
University of Illinois, Urbana, IL

ACADEMIC POSITIONS

2021-Present Associate Professor, University of Illinois, Urbana, IL
Department of Kinesiology & Community Health
Division of Nutritional Sciences
Affiliate of the Neuroscience Program
Affiliate of Beckman Institute of Advanced Science and Techonology

2015-2021 Assistant Professor, University of Illinois, Urbana, IL
Department of Kinesiology & Community Health
Division of Nutritional Sciences
Affiliate of the Neuroscience Program
Affiliate of the Family Resiliency Center

2012-2015 Postdoctoral Research Associate, University of Illinois, Urbana, IL
Neurocognitive Kinesiology Laboratory (PI: Charles Hillman, PhD)
Department of Kinesiology & Community Health

2009-2012 Graduate Research Assistant, University of Illinois, Urbana, IL
Extension and Outreach – Interdisciplinary Programs (PI: Robin Orr, PhD)

2009-2011 Graduate Research Assistant, University of Illinois, Urbana, IL
Bone and Body Composition Laboratory (PI: Ellen Evans, PhD)
Department of Kinesiology & Community Health

2006-2009 Graduate Research Assistant, University of Illinois, Urbana, IL
Community Nutrition Laboratory (PI: Karen Chapman-Novakofski, PhD, RD)
Department of Food Science and Human Nutrition

HONORS & AWARDS

2020	Excellence in Guiding Undergraduate Research Award, College of Applied Sciences, University of Illinois
2015-2017, 2019	List of Instructors Ranked as Excellent by Their Students, University of Illinois
2017	Dannon Institute Nutrition Leadership Institute, Dannon Nutrition
2014	Hydration for Health (H4H) Initiative Young Researcher Award Winner, Danone Nutricia
2013	Postdoctoral Research Award Finalist, American Society for Nutrition
2011	Margin of Excellence Research, Division of Nutritional Sciences, University of Illinois
2011	William Rose Endowed Award, Division of Nutritional Sciences, University of Illinois
2008	Best Graduate Student Abstract, Nutrition Education, American Society for Nutrition
2008-2011	Margin of Excellence Travel, Division of Nutritional Sciences, University of Illinois

PUBLICATIONS

Peer-Reviewed Journal Articles (in print or accepted)

Total citations = 4019, h-index = 31, i10-index =64 [Google Scholar. (2023, March)].

1. Cannavale, C. N., Edwards, C. G., Liu, R., Keye, S. A., Iwinski, S. J., Holscher, H. D., Renzi-Hammond, L., & **Khan, N. A.** (in press). Macular Pigment is inversely related to circulating C-reactive protein concentrations in school-aged children. *Nutrition Reseach*.

2. Cerna, J., Edwards, C. G., Martell, S., Anaraki, N. S. A., Walk, D. M., Robbs, C. M., Adamson, B. C., Flemming, I., R., Labriola, L., Motl, R. W., & **Khan, N. A.** (in press). Neuroprotective influence of macular xanthophylls and retinal integrity on cognitive function among persons with multiple sclerosis. *International Journal of Psychophysiology*.

3. Walk, A. M., Cannavale, C. N., Keye, S., Rosok, L., Edwards, C. G., & **Khan, N. A.** (in press). Adiposity impacts children's incidental statistical learning. *International Journal of Psychophysiology.*

4. Bailey, M., Thompson, S., Mysonheimer, A., Barnett, J., Vanhie, J. J., De Lisio, M., Burd, N., **Khan, N. A.**, & Holscher, H. D. (in press). Dietary fiber intake and fecal short chain fatty acid concentrations are associated with lower plasma lipopolysaccharide-binding protein and inflammation. *American Journal of Physiology-Gastrointestinal and Liver Physiology*.

5. Binet, E., McKenna, C., Salvador, A., Martinez, I., Alamilla, R., Collao, N., Bodnariuc, G., **Khan, N.**, Paluska, S., Burd, N., & De Lisio, M. (2023). Sex based comparisons of muscle cellular adaptations after 10-weeks of progressive resistance training in middle-aged adults. *Journal of Applied Physiology*, 134(1), 116-129.

6. Highes, R.L., Pindus, D.M., **Khan, N. A.**, Burd, N.A., & Holscher, H. D. (2022). Associations between accelerometer-measured physical activity and fecal microbiota in adults with overweight and obesity. *Medicine & Science in Sports & Exercise*, 10-1249.

7. Wei, M., Richards, K. A. R., **Khan, N. A.**, Woods, A. M., Espelage, D. L., & Graber, K. C. (in press). Influence of a summer wellness program on bullying reduction among school-age children. *Journal of Teaching in Physical Education*.

8. Keye, S. A., Kim, J., Cannavale, C. N., Walk, A. M., Burd, N. A., Pindus, D., & **Khan, N. A**. (2022). Neuroelectric indices of motor response preparation are selectively associated with physical activity among adults with obesity. *International Journal of Psychophysiology*, 182, 200-210.

9. McMath, A. L., Iwinski, S., Shen, S., Bost, K. F., Donovan, S. M., & **Khan, N. A.** (2023). Adherence to screen time and physical activity guidelines is associated with executive function in US toddlers participating in the STRONG Kids 2 birth cohort study. *The Journal of Pediatrics*, *252*, 22-30.

10. Kim, J., Bollaert, R. E., Cerna, J., Adamson, B. C., Robbs, C. M., **Khan, N. A.**, & Motl, R. W. (2022). Moderate-to-vigorous physical activity is related with retinal neuronal and axonal integrity in persons with multiple sclerosis. *Neurorehabilitation and Neural Repair*, *36*(12), 810-815.

11. Cannavale, C. N., Keye, S. A., Rosok, L., Martell, S., Holthaus, T. A., Reeser, G., ... & **Khan, N. A.** (2022). Enhancing children's cognitive function and achievement through carotenoid consumption: The Integrated Childhood Ocular Nutrition Study (iCONS) protocol. *Contemporary Clinical Trials*, *122*, 106964.

12. Holthaus, T. A., Kashi, M., Cannavale, C. N., Edwards, C. G., Aguiñaga, S., Walk, A. D., ... & **Khan, N. A.** (2022). MIND Dietary pattern adherence is selectively associated with cognitive processing speed in middle-aged adults. *The Journal of nutrition*, *152*(12), 2941-2949.

13. Cannavale, C. N., Mysonhimer, A. R., Bailey, M. A., Cohen, N. J., Holscher, H. D., & **Khan, N. A.** (2022). Consumption of a fermented dairy beverage improves hippocampal-dependent relational memory in a randomized, controlled cross-over trial. *Nutritional Neuroscience*, 1-10.

14. Shinn, L. M., Mansharamani, A., Baer, D. J., Novotny, J. A., Charron, C. S., **Khan, N. A.**, ... & Holscher, H. D. (2022). Fecal metabolites as biomarkers for predicting food intake by healthy adults. *The Journal of nutrition*, *152*(12), 2956-2965.

15. McKenna, C., Salvador, A., Keeble, A., **Khan, N.A.**, De Lisio, M., Konopka, A., Paluska, S., & Burd, N.A. (in press). Muscle strength after resistance training correlates to mediators of muscle mass and mitochondrial respiration in middle-aged adults. *Journal of Applied Physiology*.

16. 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.** (in press). Hydration biomarkers are related to the differential abundance of fecal microbiota and plasma lipopolysaccharide binding protein in adults. *Annals of Nutrition and Metabolism*, 77(4), 37-45. https://doi.org/10.1159/000520478

17. Kim, J., Mckenna, C. F., Salvador, A. F., Scaroni, S. E., Askow, A. T., Cerna, J., Cannavale, C. N., Paluska, S. A., De Lisio, M., Petruzzello, S. J., Burd, N. A., Khan, N. A., & Khan, N. (2022). Cathepsin B

and Muscular Strength are Independently Associated with Cognitive Control. *Brain Plasticity*, 8(1), 19–33. https://doi.org/10.3233/BPL-210136

18. Brown, M., Reeser, G., Shinn, L., Reeser, G. E., Browning, M., Schwingel, A., **Khan, N.**, & Holscher, H. (2021). Fecal and soil microbiota composition of gardening and non-gardening families. *Scientific Reports*, 12(1), 1-12. DOI: 10.1038/s41598-022-05387-5

19. Brown, M. D., Shinn, L. M., Reeser, G., Browning, M., Schwingel, A., **Khan, N. A.**, & Holscher, H. D. (2022). Fecal and soil microbiota composition of gardening and non-gardening families. *Scientific reports*, *12*(1), 1595.

20. Dinsmoor, A. M., Aguilar-Lopez, M., **Khan, N. A.**, & Donovan, S. M. (2021). A systematic review of dietary influences on fecal microbiota composition and function among healthy humans 1–20 years of age. *Advances in Nutrition*, *12*(5), 1734-1750.

21. Guo, B., Holscher, H.D., Auvil, L.S., Welge, M.E., Bushell, C.B., Novotny, J.A., Baer, D.J., Burd, N.A., **Khan, N.A.** & Zhu, R. (2021). Estimating heterogeneous treatment effect on multivariate responses using random forests. *Statistics in Biosciences*, pp.1-17. https://doi.org/10.1007/s12561-021-09310-w

22. An, R., Li, D., McCaffrey, J., & **Khan, N.** (2021). Whole egg consumption and cognitive function among US older adults. *Journal of Human Nutrition and Dietetics*. https://doi.org/10.1111/jhn.12970

23. **Khan, N.A.,** Edwards, C. G., Thompson, S. V., Hannon, B. A., Burke, S.K., Walk, A.D., Mackenzie, W.A., Reeser, G.E., Fiese, B.H., Burd, N.A., and Holscher, H.D. (2021). Avocado consumption, abdominal adiposity, and oral glucose tolerance among persons with overweight and obesity. *The Journal of Nutrition*, 151(9), 2513-2521. https://doi.org/10.1093/jn/nxab187

24. Cerna, J., Anaraki, N. S., Robbs, C. M., Adamson, B. C., Flemming, I. R., Erdman Jr., J. W., Labriola, L. T., Motl, R. W., & **Khan, N. A.** (2021). Macular xanthophylls and markers of the anterior visual pathway among persons with Multiple Sclerosis. *The Journal of Nutrition*. https://doi.org/10.1093/jn/nxab164

25. 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.** (2021). Single nucleotide polymorphisms in cd36 are associated with macular pigment among children. *The Journal of Nutrition.* https://doi.org/10.1093/jn/nxab153

26. Keye, S. A., Walk, A. M., Cannavale, C. N., Iwinski, S., McLoughlin, G. M., Steinberg, L. G., & **Khan, N. A.** (2021). Six-Minute walking test performance relates to neurocognitive abilities in preschoolers. *Journal of Clinical Medicine*, 10(4), 584. https://doi.org/10.3390/jcm10040584

27. Liu, R., Edwards, C. G., Cannavale, C. N., Flemming, I. R., Chojnacki, M. R., Reeser, G. E., Iwinski, S. J., Renzi-Hammond, L. M., & **Khan, N. A.** (2021). Weight Status and visceral adiposity mediate the relation between exclusive breastfeeding duration and skin carotenoids in later childhood. *Current Developments in Nutrition*, *5*(3). https://doi.org/10.1093/cdn/nzab010

28. Kao, S. C., Wang, C. H., Kamijo, K., **Khan, N. A.**, & Hillman, C. (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. https://doi.org/10.1016/j.ijpsycho.2020.12.003

29. Shinn, L. M., Li, Y., Mansharamani, A., Auvil, L. S., Welge, M. E., Bushell, C., **Khan, N. A.**, Charron, C. S., Novotny, J. A., Baer, D. J., Zhu, R., & Holscher, H. D. (2021). Fecal bacteria as biomarkers for predicting food intake in healthy adults. *The Journal of Nutrition*, *151*(2), 423–433. https://doi.org/10.1093/jn/nxaa285

30. 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*(2), e12708. https://doi.org/10.1111/ijpo.12708

31. Cannavale, C. N., Bailey, M., Edwards, C. G., Thompson, S. V., Walk, A. M., Burd, N. A., Holscher, H. D., & **Khan, N. A.** (2021). Systemic inflammation mediates the negative relationship between visceral adiposity and cognitive control. *International Journal of Psychophysiology*, 165 (2021): 68-75. https://doi.org/10.1016/j.ijpsycho.2021.03.010

32. Pindus, D. M., Edwards, C. G., Walk, A. M., Reeser, G., Burd, N. A., Holscher, H. D., & **Khan, N. A.** (2021). The relationships between prolonged sedentary time, physical activity, cognitive control, and P3 in adults with overweight and obesity. *International Journal of Obesity*, *45*(4), 746–757. https://doi.org/10.1038/s41366-020-00734-w

33. Edwards, C. G., Walk, A. M., Thompson, S. V., Reeser, G. E., Dilger, R. N., Erdman, J. W., Burd, N. A., Holscher, H. D., & **Khan, N. A.** (2021). Dietary lutein plus zeaxanthin and choline intake is interactively associated with cognitive flexibility in middle-adulthood in adults with overweight and obesity. *Nutritional Neuroscience*. https://doi.org/10.1080/1028415X.2020.1866867

34. McKenna, C. F., Salvador, A. F., Hughes, R. L., Scaroni, S. E., Alamilla, R. A., Askow, A. T., Paluska, S. A., Dilger, A. C., Holscher, H. D., De Lisio, M., **Khan, N. A.**, & Burd, N. A. (2021). Higher protein intake during resistance training does not potentiate strength, but modulates gut microbiota, in middle-aged adults: a randomized control trial. *American Journal of Physiology-Endocrinology and Metabolism*, , 320(5), E900-E913. https://doi.org/10.1152/ajpendo.00574.2020

35. Pindus, D. M., Edwards, C. G., Walk. A. M., Reeser, G. E., Burd, N. A., Holscher, H. D., & **Khan, N. A. (**2021). Sedentary time is related to deficits in response inhibition among adults with overweight and obesity: An accelerometry and ERP study. *Psychophysiology*, 58(8), e13843. https://doi.org/10.1111/psyp.13843

36. Thompson, S. V, Bailey, M. A., Taylor, A. M., Kaczmarek, J. L., Mysonhimer, A. R., Edwards, C. G., Reeser, G. E., Burd, N. A., **Khan, N. A.**, & Holscher, H. D. (2020). Avocado consumption alters gastrointestinal bacteria abundance and microbial metabolite concentrations among adults with overweight or obesity: a randomized controlled trial. *The Journal of Nutrition*, *151*(4), 753–762. https://doi.org/10.1093/jn/nxaa219

37. Willis, N., & **Khan, N. A.** (2020). Nutrition Effects on Childhood Executive Control. In *Nestle Nutrition Institute Workshop Series* (Vol. 95, pp. 1–9). S. Karger AG. https://doi.org/10.1159/000511513

38. Hannon, B. A., Edwards, C. G., Thompson, S. V., Reeser, G. E., Burd, N. A., Holscher, H. D., Teran-Garcia, M., & **Khan, N. A.** (2020). Single nucleotide polymorphisms related to lipoprotein metabolism are associated with blood lipid changes following regular avocado intake in a randomized control trial among adults with overweight and obesity. *Journal of Nutrition*, *150*(6), 1379–1387. https://doi.org/10.1093/jn/nxaa054

39. Hannon, B. A., Edwards, C. G., Thompson, S. V., Burke, S. K., Burd, N. A., Holscher, H. D., Teran-Garcia, M., & **Khan, N. A.** (2020). Genetic variants in lipid metabolism pathways interact with diet to influence blood lipid concentrations in adults with overweight and obesity. Lifestyle Genomics, 13(6), 155–163. https://doi.org/10.1159/000507021

40. Acevedo, M. B., Teran-Garcia, M., Bucholz, K. K., Eagon, J. C., Bartholow, B. D., Burd, N. A., **Khan, N. A.**, Rowitz, B, Pepino, M. Y. (2020). Alcohol sensitivity in women after undergoing bariatric surgery: a cross-sectional study. *Surgery for Obesity and Related Diseases*, 16(4), 536–544. https://doi.org/10.1016/j.soard.2020.01.014

41. Edwards, C. G., Walk, A.D., Thompon, S.V., Reeser, G, Erdman, J.W., Burd, N. A., Holscher, H.D., **Khan, N.A.** (2020). Effects of 12-week avocado consumption on cognitive function among adults with overweight and obesity. *International Journal of Psychophysiology*, *148*, 13-24. https://doi.org/10.1016/j.ijpsycho.2019.12.006

42. **Khan, N. A**, Cannavale, C., Iwinski, S., Liu, R., Mcloughlin, G., Steinberg, L. G., & Walk, A. M. (2019). Visceral adiposity and diet quality are differentially associated with cognitive abilities and early academic skills among Preschool-age Children. *Frontiers in Pediatrics*, *7*, 548. https://doi.org/10.3389/FPED.2019.00548

43. Saint, S. E., Hammond, B. R., **Khan, N. A.,** Hillman, C. H., & Renzi-Hammond, L. M. (2019). Temporal vision is related to cognitive function in preadolescent children. *Applied Neuropsychology: Child*, 1–8. https://doi.org/10.1080/21622965.2019.1699096

44. Phansikar, M., Ashrafi, A.A., **Khan, N.A.,** Massey, W.V., Mullen, S.P. Active commute in relation to cognition and academic achievement in children and adolescents: A systematic review and future recommendations. (2019). *International Journal of Environmental Research and Public Health*, *16* (24), 5103. https://doi.org/10.3390/ijerph16245103

45. Walk, A. M., Raine, L. B., Kramer, A. F., Cohen, N. J., Hillman, C. H., & **Khan, N. A**. (2019). Adiposity is related to neuroelectric indices of motor response preparation in preadolescent children. *International Journal of Psychophysiology*, *147*, 176-183. https://doi.org/10.1016/j.ijpsycho.2019.10.014

46. Niemiro, G.A., Chiarlitti, N.A., **Khan, N.A.**, & De Lisio, M. A carbohydrate beverage reduces circulating monocytes expressing TLR4 in children with overweight/obesity. (2019). *Journal of Nutrition*, *149* (12), 2255-2264. https://doi.org/10.1093/jn/nxz294

47. McLoughlin, G. M., Graber, K. C., Woods, A. M., Templin, T., Metzler, M., & **Khan, N. A.** (2019). The status of physical education within a nationally recognized school health and wellness program. *Journal of Teaching in Physical Education*, *39*, 274-283. https://doi.org/10.1123/jtpe.2019-0052

48. Kondiboyina, V., Raine, L. B., Kramer, A. F., **Khan, N. A.**, Hillman, C. H., & Shefelbine, S. J. (2019). Skeletal effects of nine months of physical activity in obese and healthy-weight children. *Medicine &*

Science in Sports & Exercise, *52*, 434-440. https://doi.org/10.1249/mss.0000000000002148

49. **Khan, N. A.**, Westfall, D. R., Jones, A. R., Sinn, M. A., Bottin, J. H., Perrier, E. T., & Hillman, C. H. (2019). A 4-d water intake intervention increases hydration and cognitive flexibility among preadolescent children. *The Journal of Nutrition*, *149*(12), 2255–2264. https://doi.org/10.1093/jn/nxz206

50. Nikolaus, C., Loehmer, E., Jones, A., Ruopeng, A., **Khan, N.,** & McCaffrey, J. (2019). Use of survival analysis to predict attrition among women participating in longitudinal community-based nutrition research. *Journal of Nutrition Education and Behavior*, *51*(9), 1080–1087. Retrieved from https://www.sciencedirect.com/science/article/pii/S1499404619309303

51. Hassevoort, Kelsey M., **Khan, N. A.**, Hillman, C. H., & Cohen, N. J. (2019). Differential development of relational memory and pattern separation. *Hippocampus*, *30*, 210-219. https://doi.org/10.1002/hipo.23146

52. Edwards, C.G., Walk, A.M., Cannavale, C.N., Flemming, I.R., Thompson, S.V., Reeser, G.E., Holscher, H.D., & **Khan, N.A.** (2019). Dietary choline is related to neural efficiency during a selective attention task amongst middle-aged adults with overweight and obesity. *Nutritional Neuroscience*. 1-10. https://doi.org/10.1080/1028415X.2019.1623456

53. An, R., Nickols-Richardson, S. M., **Khan, N.**, Liu, J., Liu, R., & Clarke, C. (2019). Impact of beef and beef product intake on cognition in children and young adults: a systematic review. *Nutrients*, *11*(8), 1797. https://doi.org/10.3390/nu11081797

54. Cannavale, C.N., Hassevoort, K. M., Edwards, C.G., Thompson, S.V., Burd, N. A., Holscher, H.D., Erdman, J.W., & **Khan, N.A.** (2019). Serum lutein is related to relational memory performance. *Nutrients*. 11 (4), 768. https://doi.org/10.3390/nu11040768

55. Westfall, D. R., Logan, N. E., **Khan, N. A.**, & Hillman, C. H. (2019). Cognitive assessments in hydration research involving children: methods and considerations. *Annals of Nutrition and Metabolism*, *74*(Suppl. 3), 19–24. https://doi.org/10.1159/000500341

56. Edwards, C.G., Walk, A.M., Cannavale, C.N., Thompson, S.V., Reeser, G.E., Holscher, H.D., & **Khan, N.A.** (2019). Macular xanthophylls and event-related brain potentials among adults with overweight and obesity. *Molecular Nutrition and Food Research*. 1801059. DOI: 10.1002/mnfr.201801059.

57. McLoughlin, G. M., Edwards, C. G., Jones, A., Chojnacki, M. R., Baumgartner, N. W., Walk, A. D., Woods, A. M., Graber, K. C., & **Khan, N. A**. (2019). School lunch timing and children's physical activity during recess: an exploratory study. Journal of nutrition education and behavior, 51(5), 616-622. https://doi.org/10.1016/j.jneb.2019.01.006

58. Taylor, A.M., Thompson, S.V., Edwards, C.G., Musaad, S.M., **Khan, N.A.**, & Holscher, H.D. (2019). Associations among diet, the gastrointestinal microbiota, and negative emotional states in adults. *Nutritional Neuroscience*. 1-10. https://doi.org/10.1080/1028415X.2019.15825.

59. Pindus, D. M., Drollette, E. D., Raine L. B., Kao, S., **Khan, N. A.**, Westfall, D., Hamill, M., Shorin, R., Calobrisi, E., John, D., Kramer, A. F., & Hillman, C. H. (2019). Moving fast, thinking fast: The relations of physical activity levels and bouts to neuroelectric indices of inhibitory control in preadolescents. *Journal of Sport and Health Scienc.* https://doi.org/10.1016/j.jshs.2019.02.003.

60. Chojnacki, M.R., Holscher, H.D., Balbinot, A.R., Raine, L.B., Biggan, J.R., Walk, A.M., Kramer, A.F., Cohen, N.J., Hillman, C.H., & **Khan, N.A.** (2018). Relations between mode of birth delivery and timing of developmental milestones and adiposity in preadolescence: a retrospective study. *Early Human Development,* 129 (52-59). https://doi.org/10.1016/j.earlhumdev.2018.12.021.

61. Jones, A.R., Robbs, C.M., Edwards, C., Walk, A., Thompson, S., Reeser, G.E., Holscher, H.D., & **Khan, N.A**. (2018). Retinal morphometric markers of crystallized and fluid intelligence among adults with overweight and obesity. *Frontiers in Psychology*. 9, 2650. https://doi.org/10.3389/fpsyg.2018.02650

62. Edwards, C., Walk, A., Thompson, S., Mullen, S., Holscher, H., & **Khan, N.A.** (2018). Disordered eating attitudes and behavioral and neuroelectric indices of cognitive flexibility in individuals with overweight and obesity. *Nutrients*. Vol. 10, Page 1902, 10(12), 1902. https://doi.org/10.3390/NU10121902

63. Hassevoort, K. M., Lin, A. S., **Khan, N. A.,** Hillman, C. H., Cohen, N. J. (2018). Added sugar and dietary fiber consumption are associated with creativity in preadolescent children. *Nutritional Neuroscience*, 1-12. https://doi.org/10.1080/1028415X.2018.1558003

64. Hannon, B. A., Thompson, S. V., Edwards, C. G., Skinner, S. K., Niemiro, G. M., Burd, N. A., Holscher, H. D., Teran-Garcia, M., & **Khan, N. A**. (2018). Dietary fiber is independently related to blood triglycerides among adults with oerweight and obesity. *Current Developments in Nutrition*, https://doi.org/10.1093/cdn/nzy094

65. Hannon, B., **Khan, N. A.,** & Teran-Garcia, M. (2018). Nutrigenetic contributions to dyslipidemia: a focus on physiologically relevant pathways of lipid and lipoprotein metabolism. *Nutrients*, 10(10), 1404. https://doi.org/10.3390/nu10101404

66. Niemiro, G. M., Skinner, S. K., Walk, A. M., Edwards, C. G., De Lisio, M., Holscher, H. D., … **Khan, N. A.** (2018). Oral glucose tolerance is associated with neuroelectric indices of attention among adults with overweight and obesity. *Obesity*. https://doi.org/10.1002/oby.22276

67. Hassevoort, K. M., **Khan, N. A.,** Hillman, C. H., Kramer, A. F., & Cohen, N. J. (2018). Relational memory is associated with academic achievement in preadolescent children. *Trends in Neuroscience and Education*. https://doi.org/10.1016/j.tine.2018.09.001

68. **Khan, N. A.**, Walk, A. M., Edwards, C. G., Jones, A. R., Cannavale, C. N., Thompson, S. V., … Holscher, H. D. (2018). Macular xanthophylls are related to intellectual ability among adults with overweight and obesity. *Nutrients*, *10*(4), 396; https://doi:10.3390/nu10040396

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Symposia Chaired & Symposia Presentations

Symposia Chaired

1. Nutritional Implications for Brain and Cognition, Nutrition 2019, Baltimore, MD
2. Nutritional Implications for Brain and Cognition, Nutrition 2018, Boston, MA
3. Nutrition across the Lifespan: Nutrition, Neurobiology, Mood and Behavior, Experimental Biology 2017, Chicago, IL
4. Translation of Nutritional Science and Food Science and Technology in Nutrition, Experimental Biology 2017, Chicago, IL
5. Nutrition across the Lifespan: Nutrition, Neurobiology, Mood and Behavior, Experimental Biology 2016, San Diego, CA
6. Neurocognition: The Food-Brain Connection, Experimental Biology 2014, San Diego, CA

Invited Lectures and Symposia (International)

1. **Khan, N.A.** "Multiple Sclerosis and Nutrition: A Role for Carotenoids". Brain and Ocular Nutrition Conference. Downing College, Cambridge University, UK, July 2022.
2. **Khan, N.A.** Nutrition and Childhood Cognitive Function. Canadian Nutrition Society Conference (Online), May 2021.
3. **Khan, N.A.** "Lutein & Brain: Early Development to Childhood". Kemin Nutrition (Online), November, 2020.
4. **Khan, N.A.** "The Role of Avocados in Promoting Cognitive Health". World Avocado Congress, Medellin, Colombia, September 2019.
5. **Khan, N.A.** "Retinal Carotenoids and Childhood Cognitive Function and Achievement". Brain and Ocular Nutrition Conference. Downing College, Cambridge University, UK, July 2018.
6. **Khan, N.A.** "The Influence of Diet and Obesity on Cognitive Function". Hydration for Health Conference, Danone Nutricia, Évian-les-Bains, France, June 2018.
7. **Khan, N.A.** "The Relation of Total Water Intake to Cognitive Function among Prepubertal Children". Hydration for Health Conference, Danone Nutricia, Évian-les-Bains, France, June 2014.

Invited Lectures and Symposia (National)

1. **Khan, N.A.** "Carotenoids and Cognitive Function across the Lifespan". University of Georgia, November 2021
2. **Khan, N.A.** "Nutrition Effects on Brain and Cognition in Children". Nestle Nutrition Institute Webinar, August 2020.
3. **Khan, N.A.** "Obesity, Health Behaviors, and Childhood Cognitive Health". International Life Sciences Institute North America Webinar, September 2020.

4. **Khan, N.A.** "Effects of 12-Week Avocado Consumption on Cognitive Function among Adults with Overweight and Obesity". Hass Avocado Board Webinar, September 2020.
5. **Khan, N.A.** "Childhood Health Behaviors, Obesity, and Cognitive Function". OSF Healthcare Webinar, April 2021.
6. **Khan, N.A.** "Physiological Mechanisms by which Nutrients Influence Mental Function". Science and Consumer Perceptions of Brain Health Ingredients Summit, Bayer Consumer HealthCare. Whippany, NJ, September 2019.
7. **Khan, N.A.** "Brain Health and Kids: Lutein & Zeaxanthin's Role in Cognitive Control and Academic Skills". Kemin Nutrition, September 2019.
8. **Khan, N.A.** "The Influence of Diet and Obesity on Cognitive Function". Eastern Illinois Academy of Nutrition and Dietetics Webinar, January 2018.
9. **Khan, N.A.** "Diet and Physical Activity: Implications for Attention and Memory in Childhood". Children's Nutrition Research Center, Baylor College of Medicine. Houston, TX, January 2018.
10. **Khan, N.A.** "The Influence of Diet and Obesity on Cognitive Function". Diabetes and Obesity Research Institute (DORI) Annual Symposium, University of Southern California. Los Angeles, CA, February 2018.
11. **Khan, N.A.** "Diet and Obesity Implications for Attention and Memory in Childhood". Symposium at the International Conference on Learning and Memory at University of California. Irvine, CA, April 2018.
12. **Khan, N.A.** "The Gut-Brain Highway: Can Traffic be regulated by Diet?". Symposium at the Food and Nutrition Conference and Expo, Academy of Nutrition and Dietetics. Boston, MA, October 2016.
13. **Khan, N.A.** "The Influence of Diet and Adiposity on Childhood Neurocognitive Function". Presidential Invited Symposium: Juvenile Obesity, Brain, and Cognition at the Eastern Psychological Association's Annual Meeting. New York, NY, March 2016.
14. **Khan, N.A.** "Pediatric Neurocognitive Development: Emerging Insights and Applications in Nutrition". Symposium at Experimental Biology Conference. Boston, MA, April 2015.
15. **Khan, N.A.** "Nutrition, Hydration and Cognition: New Frontier". Satellite Lecture at American College of Sports Medicine Annual Meeting. San Diego, CA, April 2015.
16. **Khan, N.A.** "The Influence of Adiposity and Diet on Childhood Cognitive Control and Relational Memory". Symposium on Childhood Obesity and Cognition. American University, Washington, DC, October 2014.

Invited Lectures and Symposia (Local)

1. **Khan, N.A.** "Macular Xanthophylls and Cognitive Function". Neuroscience Program Seminar Series. University of Illinois, March 2020
2. **Khan, N.A.** "Retinal Carotenoids: A Nutritional Window into Brain and Cognition". Division of Nutritional Sciences Symposium. University of Illinois, April 2019.
3. **Khan, N.A.** "Retinal Carotenoids and Cognitive Health among Persons with Multiple Sclerosis". Inaugural Illinois Multiple Sclerosis Research Day. University of Illinois, April 2019.
4. **Khan, N.A.** "Health Behaviors, Adiposity, and Childhood Cognitive Function". First 1000 Days Symposium. University of Illinois, September 2018.

Grants

Funded External Grants

Investigators	Funding Agency	Title	Year(s)	Funding
PI: NA Khan Co-Is: S Mullen, CH Hillman, NJ Cohen, L Renzi-Hammond	Eunice Kennedy Shriver National Institute of Child Health and Human Development (RO1)	Enhancing Children's Cognitive Function and Achievement through Carotenoid Consumption	2021-2026	$2,921,907

PI: NA Khan Co-I: AM Walk	Egg Nutrition Center	Influence of Egg Consumption on Cognitive and Visual Function in Early Childhood	2020-2023	$210,721
PI: NA Khan Co-I: HD Holscher	Tate and Lyle Ingredients	Effects of Soluble Corn Fiber Consumption on Cognitive Function and Gastrointestinal Microbiota	2021-2023	$548,911
PI: KA Richards Co-I: NA Khan	Illinois State Board of Education	Illinois Physical Activity and Life Skills (iPALS) Wellness Program: Summer (Elementary)	2021-2022	$169,225
PI: S Aguinaga Co-I: NA Khan	University of Illinois at Chicago	OCEAN: Optimizing Cognition via Exercise and Nutrition	2021-2022	$75,371
PI: S Donovan Co-I: NA Khan	National Institutes of Health (RO1)	Dietary and microbial predictors of childhood obesity risk	7/1/17-6/30/22	$2,779,941
PI: NA Khan Co-Is: R Motl, B Adamson	National Institutes of Health – Rehabilitation Research Resource to Enhance Clinical Trials	Lutein and multiple sclerosis experimental study (LuMES): A randomized pilot trial	7/1/19-6/30/20	$63,394
PI: HD Holscher Co-Is: NA Khan, NA Burd	Almond Board of California	Effect of almond consumption on the gastrointestinal microbiota and postprandial glucose handling in overweight & obese adults	11/04/19-11/30/21	$409,086
PI: HD Holscher Co-Is: NA Khan, M Miller	National Honey Board	Daily yogurt plus honey helps support digestive health, regularity, and comfort	09/22/19-09/21/21	$250,000
PI: NA Burd Co-Is: NA Khan, M Delisio	National Dairy Council	Dairy food consumption and its effects on inflammation and the postprandial regulation of muscle protein synthesis	06/01/19-05/31/21	$460,293
PI: AK Richards Co-I: NA Khan	Illinois State Board of Education	Fostering a comprehensive approach to wellness through a summer learning initiative	05/23/19-06/30/20	$87,784
PI: N Khan Co-Is: A Walk	National Dairy Council	Cross-sectional and longitudinal predictors of cognitive control and early academic abilities among preschool children	05/01/2018-04/30/2022	$671,805
PI: N Burd Co-Is: N Khan, S Petruzzello	National Cattlemen's Beef Association	The role of beef ingestion in supporting exercise-derived benefits for the muscle-brain interconnect	2018-2019	$74,187
PI: NA Khan Co-PI: HD Holscher, L Renzi-Hammond	Egg Nutrition Center	Correlational and intervention effects of egg consumption on macular carotenoids, cognition, and achievement	08/01/17-07/31/19	$219,631
PI: N Khan Co-Is: R Motl, L Labriola	National Multiple Sclerosis Society	Retinal lutein and visual health in multiple sclerosis	3/1/17-2/28/19	$43,051
PI: R An Co-Is: N Khan, S Nickols-Richardson	National Cattlemen's Beef Association	Beef consumption in relation to cognitive function across the life course: a systematic review	02/01/2019-08/31/2019	$34,909

PI: N Burd Co-Is: N Khan, S Petruzzello	National Cattlemen's Beef Association	The role of beef ingestion in supporting exercise-derived benefits for the muscle-brain interconnect	07/01/18 - 06/30/19	$74,187
PI: NA Khan Co-PI: HD Holscher Co-Is: N Burd, B Fiese	Hass Avocado Board	Investigating the effects of avocado intake on metabolic and cognitive health: a systems approach	12/1/15-12/31/18	$887,221
PI: N Burd Co-Is: N Khan, M DeLisio	National Cattlemen's Beef Association	The influence of regular beef consumption and protein density of the diet on training induced gains in muscle strength and performance in healthy adults	7/1/16-6/30/18	$253,626
PI: N Khan Co-Is: A Walk	National Dairy Council	Diet quality and cognitive control function in early childhood: a pilot study	8/1/16-6/30/18	$143,487
PI: J McCaffrey Co-Is: N Khan, R An	USDA North Central Nutrition Education Center for Excellence	Evaluating the a multi-modal community nutrition education modal within SNAP-Ed and EFNEP (phase 2)	2/1/16-8/31/18	$56,200
PI: NA Khan Co-Is: NJ Cohen, CH Hillman, AF Kramer	Abbott Laboratories	The effects of fortified nutritional supplementation on cognition, memory, and achievement	5/16/12-12/31/18	$2,261,636
PI: NA Khan Co-I: CH Hillman	Danone Nutricia	The effects of hydration on brain, cognition, memory & achievement in childhood	6/1/14-12/31/18	$718,990
PI: NA Khan Co-Is: J Biggan, HD Holscher, NJ Cohen, CH Hillman, AF Kramer	Abbott Laboratories	Retrospectively studying the effects of early life nutrient intake on cognitive function and brain health in preadolescent children	8/16/15-12/31/17	$179,433
PI: J McCaffrey Co-Is: N Khan, R An	USDA North Central Nutrition Education Center for Excellence	Evaluating a multi-modal community nutrition education modal within SNAP-Ed and EFNEP	9/1/15-9/1/17	$50,000

Funded Internal Grants

Investigators	Funding Agency	Title	Funding Year(s)	Total Funding
PI: NA Khan Co-Is: J Erdman, S Choi, B Fonseca	Personalized Nutrition Institute	Dried Blood Spot Validation for Assessment of Xanthophylls	2023-2024	$46,505
PI: NA Khan Co-Is: B Sutton, C Cannavale	Division of Nutritional Sciences	From Neuro-pigments to Neuroimaging: Linking Macular Carotenoids to Brain Structural Integrity in Childhood	2022-2024	$50,000
PI: NA Khan Co-I: J Erdman, Jr.	Division of Nutritional Sciences	Lutein Supplementation for Cognitive Function in Multiple Sclerosis: A Pilot Study	2020-2022	$20,000
PI: NA Khan	UIUC Research Board	Acute Exercise and Cognitive Function: Examining the Role of Weight Status and Exercise-Induced Myokines	2020-2022	$29,960

PI: NA Khan Co-Is: S Donovan, Aditi Das, B Sutton, W O'Brien	Division of Nutritional Sciences (50th Anniversary)	Role of hepatic steatosis and lipid metabolites in childhood cognition and brain health	2019-2020	$49,980
PI: NA Khan Co-Is: S Donovan, B Meline	Division of Nutritional Sciences (Vision 20/20)	Examining prenatal and postpartum weight gain and retention as contributors to maternal carotenoid status	10/18-10/20	$20,000
PI: NA Khan Co-Is: M Browning, A Schwingel, HD Holscher	Christopher Family Foundation Food & Family Program Seed Grant	Gardening and family health: elucidating the role of the human and environmental microbiota	04/17-04/19	$50,000
PI: HD Holscher Co-Is: NA Khan, K. Wilund, B O'Brien	Division of Nutritional Sciences (Vision 20/20)	Hepatic steatosis as a novel target for a dietary fiber intervention in overweight and obese adults	10/16-10/18	$20,000
PI: NA Khan Co-Is: HD Holscher, J Biggan, M DeLisio	Division of Nutritional Sciences (Vision 20/20)	The effects of probiotics and prebiotics on behavioral and biological markers of cognition and stress	9/15-9/18	$20,000
PI: M DeLisio Co-Is: NA Khan	Division of Nutritional Sciences (Vision 20/20)	The effects of overweight/obesity and acute dietary protein ingestion on muscle stem cell function	10/14-10/16	$20,000

Teaching Experience

Undergraduate and Graduate Courses (Primary Instructor)

University of Illinois, Urbana, IL

Health Behaviors and Cognition (KIN 494, KIN 342)	2021-Present
Physical Activity and Cognition (KIN 543)	2017-Present
Health Behaviors and Obesity (KIN 494, KIN 341)	2015-Present
Foods, Health, and Wellness (KIN 494)	2015-Present
Nutritional Neuroscience (KIN 494)	2016

Parkland College, Champaign, IL

Fundamentals of Nutrition (BIO 120)	2010-2014

Invited Lectures

Sedentary Behavior & Health (KIN 594)	2020
Interdisciplinary Approaches to Neuroscience I (NEUR 542)	2018-2019
Survey of Interdisciplinary Health (IHLT 102)	2017-Present
Clinical and Applied Exercise Physiology (KIN 452)	2019-Present

Mentorship

Postdoctoral Scholars

Name	Years	Current Position

Anne McClure Walk, PhD in Experimental Psychology, Saint Louis University	2015-2018	Assistant Professor, Eastern Illinois University
Corinne Cannavale, PhD in Neuroscience, University of Illinois	2021-Present	Postdoctoral Research Associate, University of Illinois
Shivani Sethi, PhD in Physiology – Neuroendocrinology, University of Otago	2022-2023	Postdoctoral Research Associate, University of Illinois
Christopher Kinder, PhD in Kinesiology, University of Illinois	2022-Prresent	Postdoctoral Research Associate, University of Illinois

Doctoral Students (Director)

Student	**Program**	**Thesis Title/Topic Area**	**Completion Date**	**Current Position**
Grace Niemiro	Kinesiology	*Lifestyle and Exercise Effects on Circulating Progenitor Cells in Children and Adults*	05/2018	Senior Scientist, Abbott Nutrition, OH
Caitlyn Edwards	Nutritional Sciences	*The Independent and Interactive Influence of Lutein and Choline on Cognitive Control*	05/2020	Clinical Research and Reporting Lead, Vida Health, CA
Bridget Hannon Esteves	Nutritional Sciences	*Independent and Interacting Effects Of Diet And Genetic Risk On Obesity-Related Comorbidities*	05/2020	Nutrition Scientist, The Kraft Heinz Company, IL
Corinne Cannavale	Neuroscience	*Dietary and Adiposity Influences on Relational Memory and Attentional Inhibition*	12/2021	Postdoctoral Research Associate, University of Illinois
Nathaniel Willis	Nutritional Sciences	*Effect of Hydration Status on Childhood Cognitive Health*	05/2023	N/A
Shelby Keye	Kinesiology	*Physical activity, fitness, and obesity influences on cognitive and motor functions*	05/2023	N/A
Arden McMath	Nutritional Sciences	*Childhood obesity, cognitive function, and gastrointestinal microbiome*	05/2023	N/A
John Kim	Kinesiology	*Influence of Exercise on Cognitive Function*	05/2023	N/A
Laura Rosok	Neuroscience	*Lutein Status as a Predictor of Childhood Cognitive Function*	05/2025	N/A
Shelby Martell	Neuroscience	*Neurocognitive Function and Influence of Diet among Persons with Multiple Sclerosis*	05/2025	N/A
Tori Kusiak	Nutritional Sciences	*Dietary Patterns and Cognitive Function*	05/2025	N/A

Doctoral Students (Committee Member)

Student	Program	Thesis Title/Topic Area	Completion Date	Current Position
Lauren Raine	Kinesiology	*Obesity, visceral adipose tissue, and cognition in childhood*	05/2016	Research Assistant Professor, Northeastern University, MA
Shih-Chun (Alvin) Kao	Kinesiology	*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*	05/2017	Assistant Professor, Purdue University, IN
Kelsey Hassevoort	Neuroscience	*The impact of lifestyle factors and development on relational Memory*	05/2018	Managing Director, McAllister & Quinn, Washington DC
Gabriella McLoughlin	Kinesiology	*The role of physical education within a comprehensive school health program*	08/2018	Research Fellow, Implementation Science Center for Cancer Control, Washington University in St. Louis, MO
Liliana Aguayo	Community Health	*Influences of Maternal Acculturation on Early Childhood Obesity Risk: from Countries to Chromosomes*	08/2018	Assistant Professor, Emory University
Steve Douglas	Nutrition Science, Purdue University	*Novel school-based strategies to improve participation in the school breakfast program, diet quality, and cognitive performance in adolescents*	05/2019	Postdoctoral Researcher, University of Tennessee, TN
Stephen Fleming	Neuroscience	*A Multivariate Approach to Identify Nutritional Predictors of Cognitive Performance*	08/2019	President and Co-Founder of Traverse Science, IL
Tiffany Yang	Psychology	*Sex differences in exercise-mediated changes in diet preference and its associated metabolic and cognitive outcomes*	05/2021	Scientist, San Francisco, CA
Joanne Fill	Neuroscience	*Evaluation of pig brain developmental patterns and comparative analysis to human infant neurodevelopment*	08/2021	Clinical Data Research Associate, Abbott Nutrition, OH
Christopher Kinder	Kinesiology	*Influence of social-emotional learning on youth physical activity and cognitive health*	07/2022	Postdoctoral Research Associate, University of Illinois
Shelby Ison	Kinesiology	*Basic psychological needs, affect, and motivation (bam) among elementary students in a physical activity-based wellness program*	05/2022	Assistant Professor, Northern Illinois University
Colleen McKenna	Nutritional Sciences	*Regulation of aging-related skeletal muscle strength adaptations by dietary protein and resistance training*	05/2022	Postdoctoral Research Associate, University of Colorado
Jacqueline Guzman	Kinesiology	*ICARE: Identifying caregivers' Alzheimer's disease and related dementias experiences*	05/2023	Postdoctoral Research Associate, Rush University
Annemarie Krug	Food Science and Human Nutrition	*Gastrointestinal microbiome and emotional regulation*	07/2023	N/A
Mikaela Kasperek	Nutritional Sciences	*TBD*	05/2025	N/A

Masters Students (Director)

Student	**Program**	**Thesis Title/Topic Area**	**Completion Date**	**Current Position**
Nicholas Baumgartner	Kinesiology	*The Influence of Physical Activity, Sedentary Time, and Adiposity on Behavioral and Neurolectric Measures of Attentional Inhibition*	05/2017	Doctoral Student, Purdue University, IN
Morgan Curran	Nutritional Sciences	*The Negative Influence of Adiposity extends to Intraindividual Variability in Cognitive Control among Preadolescent Children*	05/2018	Dietitian, Seattle, WA
Alicia Covello	Kinesiology	*Retinal Morphometric Markers of Crystallized and Fluid Intelligence among Adults with Overweight and Obesity*	05/2018	Doctoral Student, UIUC
Ruyu Liu	Nutritional Sciences	*Genetic Predictors of Macular Xanthophylls*	05/2020	Doctoral Student Cornell University, NY
Susan Mantell	Nutritional Sciences	*Non-Thesis MS*	05/2020	Physician, Philo, IL
Monica Kashi	Nutritional Sciences	*Non-Thesis MS*	05/2021	Dietitian, Boston, MA
Jonathan Cerna	Nutritional Sciences	*Influence of Macular Xanthophylls on Cognitive Function among Persons with MS*	05/2021	Doctoral Student, UIUC
Andrew Dinsmoor	Nutritional Sciences	*Impact of Diet Quality on Gut Microbiome in Early Life*	05/2021	Dietitian, NE
Rhea Sarma	Kinesiology	*TBD*	05/2023	N/A
Sarah Ragab	Kinesiology	*TBD*	05/2023	N/A
Trisha Yen	Nutritional Sciences	*TBD*	05/2023	N/A

Masters Students (Committee Member)

Student	**Program**	**Thesis Title/Topic Area**	**Completion Date**	**Current Position**
Sasha McCorkle	Nutritional Sciences	*Macular pigment optical density and academic achievement among preadolescent children*	05/2016	Sensory Scientist at Hill's Pet Nutrition, Lawrence, KS
Julia Balto	Kinesiology	*The case for multiple health behavior change interventions in Multiple sclerosis*	05/2016	Health and Mindset Coach, CA
Joanna Manero	Nutritional Sciences	*Influence of seasoning and preparation of vegetables on consumer choice, consumption, and liking*	05/2018	Clinical Dietitian, U.S. Department of Veterans Affairs
Andrew Taylor	Food Science and Human Nutrition	*The gut-microbiota-brain axis: influence of diet and the gastrointestinal microbiota on stress and anxiety in adults*	08/2018	Not Known
Melisa Bailey	Nutritional Sciences	*Dietary fats, the gastrointestinal microbiome, and inflammation*	08/2018	Regulatory Affairs Coordinator, University of Minnesota-Twin Cities, MN

Marina Brown	Food Science and Human Nutrition	*Habitual gardening and the human gut microbiota*	07/2021	Laboratory Technician, University of Illinois
Jade Hamann	Nutritional Sciences	*Relationship between diet quality and molecular mediators of muscle health*	05/2022	Dietitian, Decatur Memorial Hospital, Decatur, IL
Susannah Scaroni	Nutritional Sciences	*Sports science: tools and translation for para-athletes*	12/2022	TBD

Society Memberships

American Society for Nutrition

Service

Grant Panels

2020 Diet, Nutrition and the Prevention of Chronic Diseases panel, Agriculture and Food Research Initiative (AFRI), United States Department of Agriculture

National Committees

2019 Core Neuropsychological Measures for Obesity and Diabetes Trials Workshop, NIH
2016-2017 Nutrition and Health Committee for Planning and Guidance, USDA, NIFA

Advisory Boards

2015-2019 Nutrition Translation Research Interest Section, American Society for Nutrition

Journal Editorial Boards

2019-2023 *Nutrients*

Ad hoc Journal Reviewer

Journal of Nutrition Education and Behavior (Statistical Reviewer)
Journal of Nutrition
Nutritional Neuroscience
Appetite
British Journal of Nutrition
American Journal of Clinical Nutrition
Psychophysiology
Obesity
Contemporary Clinical Trials
Obesity Reviews
Preventative Medicine
Frontiers Psychology
JAMA Pediatrics
Developmental Cognitive Neuroscience

University of Illinois at Urbana-Champaign

Campus Service

Campus Research Board *Ad Hoc* Grant reviewer

Family Resiliency Center *Ad Hoc* Grant reviewer

College of Applied Health Sciences
College Education Policy Committee, 2019-Present
Ad Hoc Committee to Develop Visiting Student Policy, 2020
Executive Committee, 2020-Present
Center for Healthy Aging and Disability Senior Faculty Committee, 2023-Present

Department of Kinesiology and Community Health
Graduate Student Conference Travel Grant Review Committee, 2016-2017
Assistant or Associate Professor in Children's Physical Activity Search Committee, 2016-2017
Assistant or Associate Professor in Children's Physical Activity Search Committee, 2017-2018
Grievance Committee, 2020-Present
Ad Hoc Kinesiology Minor Development Committee, Chair, 2017-2018
Assistant Professor in Exercise Physiology Search Committee, 2019-2020
Assistant Professor in Epidemiology Search Committee, 2020-2021
Health Strategic Planning and Future Directions Committee, 2021-Present
Exercise Psychology, Area Coordinator, 2020-Present
Restructuring Taskforce, Chair, 2022-2023
Strategic Plan Implementation Taskforce, Member, 2022
Undergraduate Curriculum Taskforce, Member, 2022
Advisory Committee, Member, 2021-Present
Space Committee, 2023-Present

Division of Nutritional Sciences Service
Annual Student Review Committee, 2015-2018
Executive Committee Member, 2017-Present