

CURRICULUM VITAE – Naiman A. Khan, PhD, RD

Updated January 12, 2017

Work Address

Body Composition and Nutritional Neuroscience Laboratory
Department of Kinesiology and Community Health
Member of Division of Nutritional Sciences
Member of Neuroscience Program
Affiliate of the Family Resiliency Center
University of Illinois at Urbana-Champaign
317 Louise Freer Hall, MC-052
906 S. Goodwin Avenue, Urbana, IL 61801
Phone: 217-300-2197
Fax: 217-244-7322
Email: nakhan2@illinois.edu

Education

- May 2012 **Doctor of Philosophy in Nutritional Sciences**
University of Illinois at Urbana-Champaign, IL
Dissertation advisor: Sharon M. Donovan, PhD, RD
- May 2009 **Master of Science in Nutritional Sciences**
University of Illinois at Urbana-Champaign, IL
Thesis advisor: Karen Chapman-Novakofski, PhD, RD, LDN
- 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 at Urbana-Champaign, IL

Academic Positions

- Fall 2015-Present **Assistant Professor**, Body Composition and Nutritional Neuroscience Laboratory
Kinesiology & Community Health
University of Illinois at Urbana-Champaign, IL
- 2012-2015 **Postdoctoral Research Associate**, Neurocognitive Kinesiology Laboratory
Kinesiology & Community Health
University of Illinois at Urbana-Champaign, IL

- 2009-2012 **Graduate Research Assistant**, Extension and Outreach – Interdisciplinary Programs
Vicki Rowe, PhD (Interim Director of EFNEP & SNAP-Ed)
University of Illinois at Urbana-Champaign, IL
- 2009-2011 **Graduate Research Assistant**, Bone and Body Composition Laboratory
Ellen M. Evans, PhD (Principal Investigator)
Kinesiology & Community Health
University of Illinois at Urbana-Champaign, IL
- 2006-2009 **Graduate Research Assistant**, Community Nutrition Laboratory
Karen Chapman-Novakofski, PhD, RD, LDN (Principal Investigator)
Food Science and Human Nutrition
University of Illinois at Urbana-Champaign, IL

External Grants

Funded

1. National Dairy Council, Principal Investigator: “Diet Quality and Cognitive Control Function in Early Childhood: A Pilot Study”, \$143,487 (Funded 07/2016).
2. National Cattleman’s Beef Association, Co-Investigator (Nicholas Burd, Principal Investigator): “The Influence of Regular Beef Consumption and Protein Density of the Diet on Training Induced Gains in Muscle Strength and Performance in Healthy Adults”, \$253,626 (Funded 10/2015).
3. North Central Nutrition Education Center for Excellence (NC-NECE), Co-Investigator (Jennifer McCaffrey, Principal Investigator): “Evaluating the Multi-Modal Community Nutrition Education Modal within SNAP-Ed and EFNEP (Phase 2)”, \$50,000 (Funded, 01/2016).
4. Hass Avocado Board, Co-Principal Investigator: “Investigating the Effects of Avocado Intake on Metabolic and Cognitive Health: A Systems Approach”, \$887,220 (Funded, 12/2015).
5. Abbott Nutrition, Principal Investigator: “Retrospectively Studying the Effects of Early Life Nutrient Intake on Cognitive Function and Brain Health in Preadolescent Children”, \$179,433 (Funded, 06/2015).
6. North Central Nutrition Education Center for Excellence (NC-NECE), Co-Investigator (Jennifer McCaffrey, Principal Investigator): “Evaluating a Multi-Modal Community Nutrition Education Model within SNAP-Ed and EFNEP”, \$90,000 (Funded, 08/2015).
7. Danone Nutricia, Principal Investigator: “The Effects of Hydration on Brain, Cognition, Memory, & Achievement in Childhood”, \$534,387. (Funded, 07/2014).
8. Abbott Nutrition, Principal Investigator: “The Effects of Fortified Nutritional Supplementation on Cognition, Memory, and Achievement”, \$1,539,166 (Funded, 05/2012).

Unfunded

1. US Department of Agriculture (NIFA), Principal Investigator: “Integrated Childhood Obesity and Nutritional Neuroscience in Schools (ICONS) Study”, \$ 2,449,907.
2. Egg Nutrition Center, Principal Investigator: “Utilizing an Opportunistic Approach to Identify the Role of Eggs in Mitigating Nutritional Gaps Associated with Food Insecurity”, \$ 199,949.
3. Egg Nutrition Center, Principal Investigator: “Utilizing the Nutrient Value of Eggs to Optimize Academic Achievement and Childhood Cognitive Function at Breakfast”, \$177,278.
4. Dairy Research Institute, Co-Investigator (Michael De Lisio, Principal Investigator): “Dairy versus plant-based protein for improved recovery from resistance exercise-induced dynapenia and enhanced neuromuscular regenerative response in elderly individuals”, \$235,000.
5. Dairy Management, Inc, Investigator (Michael De Lisio, Principal Investigator): “Dairy Protein for Improved Recovery from Resistance Exercise-induced Dynapenia and Enhanced Neuromuscular Regenerative Response in Elderly Individuals”, \$203,381.
6. Abbott Nutrition, Principal Investigator: “The Effects of Prebiotic Supplementation on the Human Gut Microbiome and Implications for Cognitive Control and Relational Memory”, \$626,365.

Internal Grants

1. ACES, Vision 20/20, Co-Investigator (Hannah D. Holscher, Principal Investigator): “Hepatic Steatosis as a Novel Target for a Dietary Fiber Intervention in Overweight and Obese Adults”, \$20,000 (Funded, 12/2016).
2. ACES, Vision 20/20, Principal Investigator: “The effects of probiotics and prebiotics on behavioral and biological markers of cognition and stress”, \$20,000 (Funded, 09/2015).
3. Illinois Transdisciplinary Obesity Prevention Program (ITOPP), Co-Principal Investigator: “From Visceral Adiposity to ERPs”, \$10,000 (Funded, 02/2013).
4. College of Agricultural, Consumer, and Environmental Sciences (ACES), Undergraduate Research Scholarship Program, Co-Principal Investigator: “Impact of Diet and Blood Glucose on Cognition Following an Overnight Fast”, \$1,495 (Funded, 10/2013).
5. ACES, Undergraduate Research Scholarship Program, Co-Principal Investigator: “Understanding the Relationship between Diet, Fasting Blood Glucose, and Adiposity among Prepubertal Children”, \$1,000 (Funded, 11/2014).

6. ACES, Vision 20/20, Investigator (Michael De Lisio, Principal Investigator): “The effects of overweight/obesity and acute dietary protein ingestion on muscle stem cell function”, \$20,000 (Funded, 10/2014).
7. ACES, Future Interdisciplinary Research Explorations, Investigator (Kelly S. Swanson, Principal Investigator): “Targeting the Gut for Cognitive Benefit: From Prebiotics to Childhood Cognitive Control and Memory”, \$50,000 (Unfunded, 10/2014).

Publications

Peer-Reviewed Journal Articles (in print or accepted)

1. Walk, A.M., Edwards, C.E., Baumgartner, N.W., Chojnacki, M.R., Covello, A.R., Reeser, G.E., Hammond, B.R., Renzi-Hammond, L.M., and **Khan, N.A.** The Role of Retinal Carotenoids and Age on Neuroelectric Indices of Attentional Control among Early to Middle-aged Adults. (in press). *Frontiers in Aging Neuroscience*.
2. An, R., Liu, G., **Khan, N.**, Yan, H., & Wang, Y. Dietary habits and cognitive impairment risk among oldest-old Chinese. (in press). *Journal of Gerontology: Social Sciences*.
3. Hassevoort, K.M., Khazoum, S.E., Walker, J.A., McCorkle, S.M., Raine, L.B., Hammond, B.R., Renzi-Hammond, L.M., Kramer, A.F., **Khan, N.A.**, Hillman, C.H., and Cohen, N.J. Macular Carotenoids, aerobic fitness, and central adiposity are differentially associated with hippocampal-dependent relational memory in preadolescent children. (in press). *Journal of Pediatrics*.
4. Balto J.M., Ensari I., Hubbard, E.A., **Khan, N.**, Barnes, J.L., and Motl, R.W. Co-occurring Risk Factors in Multiple Sclerosis. *American Journal of Health Behavior*. 2017 Jan 1;41(1):76-83. doi.org/10.5993/AJHB.41.1.8. dx.doi.org/10.7224/1537-2073.2016-040
5. Balto J.M., Ensari I., Hubbard, E.A., **Khan, N.**, Barnes, J.L., and Motl, R.W. Individual and co-occurring SNAP risk factors: smoking, nutrition, alcohol consumption, and physical activity in people with multiple sclerosis. *International Journal of MS Care*. 2016 Nov;18(6):298-304.
6. Ruopeng, A. & **Khan, N.** (2016). Salad Consumption in Relation to Daily Dietary Intake and Diet Quality among U.S. Adults, 2003-2012. *Epidemiology, Biostatistics and Public Health* 13 (2). doi:10.2427/11791.
7. Dominika, P.M., Drollette, E.S., Scudder M.R., **Khan, N.A.**, Raine, L.B., Sherar, L.B., Esliger, D.W., Kramer, A.F., and Charles H. Hillman. (2016). Moderate-to-Vigorous Physical Activity, Indices of Cognitive Control, and Academic Achievement in Preadolescents. *The Journal of Pediatrics* 173: 136–42. doi:10.1016/j.jpeds.2016.02.045.

8. Hassevoort, K.M., **Khan, N.A.**, Hillman, C.H., and Cohen, N.J. (2016). Childhood Markers of Health Behavior Relate to Hippocampal Health, Memory, and Academic Performance. *Mind, Brain, and Education*, June. Wiley Subscription Services, Inc. doi:10.1111/mbe.12108.
9. Niemiro, G. M., Raine, L. B., **Khan, N. A.**, Emmons, R., Little, J., Kramer, A. F., Hillman, C.H., De Lisio, M. (2016). Circulating Progenitor Cells Are Positively Associated with Cognitive Function among Overweight/obese Children. *Brain, Behavior, and Immunity*. doi:10.1016/j.bbi.2016.03.018.
10. McCorkle, S.M., Raine, L.B., Hammond, B.R., Renzi-Hammond, L., Hillman, C.H., & **Khan, N.A.** (2015). Reliability of Heterochromatic Flicker Photometry in Measuring Macular Pigment Optical Density among Preadolescent Children. *Foods*, 4(4), 594-604.
11. Hillman, C.H., **Khan, N.A.**, Kao, S.C. The Relationship of Health Behaviors to Childhood Cognition and Brain Health. *Annals of Nutrition and Metabolism*. 2015 Jun 18;66(Suppl. 3):1-4.
12. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder M.R., Kramer, A.F., & Hillman, C.H. (2015). Dietary fiber is positively associated with cognitive control in prepubertal children. *Journal of Nutrition*. doi:10.3945/jn.114.198457
13. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder M.R., & Hillman, C.H. (2015). The relation of saturated fats and dietary cholesterol to childhood cognitive flexibility. *Appetite*, 93, 51-56. doi:10.1016/j.appet.2015.04.012
14. Ziauddeen, H., Alonso-Alonso, M., Hill, J.O., Kelley, M., & **Khan, N.A.** (2015). The neurocognitive basis of overeating and obesity: food reward and the control of intake. *Advances in Nutrition*, vol. 6: 474-486.
15. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Pontifex, M.B., Castelli, D.M., Donovan, S.M., Evans, E.M., & Hillman, C.H. (2014). Impact of the FITKids physical activity intervention on adiposity in prepubertal children. *Pediatrics*, 133, e875-e883. doi:10.1542/peds.2013-2246
16. **Khan, N.A.** & Hillman, C.H. (2014). The relation of childhood physical activity and aerobic fitness to brain function and cognition: A review. *Pediatric Exercise Science*, 26, 138-146. doi: 10.1123/pes.2013-0125
17. **Khan, N.A.**, Raine, L.B., Donovan, S.M., & Hillman, C.H. (2014). The cognitive implications of obesity and nutrition in childhood. *Monographs of the Society for Research in Child Development*, 79, 51-71. doi: 10.1111/mono.12130
18. **Khan, N.A.**, Baym, C.L., Monti, J. M., Raine, L.B., Drollette, E.S., Scudder, Davis Moore, R., M.R., Kramer, A.F., Hillman, C.H., & Cohen, N.J. (2014). Central adiposity is negatively associated with hippocampal-dependent relational memory among overweight and obese children. *Journal of Pediatrics*. doi:10.1016/j.jpeds.2014.10.008
19. Baym, C.L., **Khan, N.A.**, Monti, J. M., Raine, L.B., Drollette, E.S., Davis Moore, R., Scudder, M.R., Kramer, A.F., Hillman, C.H., & Cohen, N.J. (2014). Differential impact of dietary lipids on hippocampal-dependent relational memory in prepubescent children. *American Journal of Clinical Nutrition*, 99, 1026-1032. doi: 10.3945/ajcn.113.079624

20. Pontifex, M.B., Kamijo, K., Scudder, M.R., Raine, L.B., **Khan, N.A.**, Hemrick, B., Evans, E.M., Castelli, D.M., Frank, K.A. & Hillman, C.H. (2014). The differential association of adiposity and fitness with cognitive control in preadolescent children. *Monographs of the Society for Research in Child Development*, 79, 72-92. doi: 10.1111/mono.12131
21. Baym, C.L., **Khan, N.A.**, Pence, A., Raine, Hillman, C.H., & Cohen, N.J. (2014). Aerobic fitness predicts relational memory but not item memory performance in healthy young adults. *Journal of Cognitive Neuroscience*. doi:10.1162/jocn_a_00667
22. Scudder, M.R., **Khan, N.A.**, Lambourne, K., Drollette, E.S., Herrmann, S., Betts, J.L., Washburn, R., Donnelly, J.E., & Hillman, C.H. (2014). Cognitive control in preadolescent children with risk factors for metabolic syndrome. *Health Psychology*. doi: 10.1037/hea0000114
23. Hillman, C.H., Pontifex, M.B., Castelli, D.M., **Khan, N.A.**, Raine, L.B., Scudder, M.R., Drollette, E.S., Davis Moore, R., Wu, C., & Kamijo, K. (2014). Effects of the FITKids physical activity intervention on cognitive and brain health in children. *Pediatrics*. doi:10.1542/peds.2013-3219
24. Hill, J.O., Berridge, K., Avena, N.M., Ziauddeen, H., Alonso-Alonso, M., Allison, D.B., **Khan, N.A.**, & Kelley, M. (2014). Neurocognition: The food-brain connection. *Advances in Nutrition*, 5, 544-546. doi:10.3945/an.114.006437
25. Kamijo, K., Pontifex, M.B., **Khan, N.A.**, Raine, L.B., Scudder, M.R., Drollette, E.S., Evans, E.M., Castelli, D.M., & Hillman, C.H. (2014). The negative association of childhood obesity to cognitive control of action monitoring. *Cerebral Cortex*, 24, 654-662. doi: 10.1093/cercor/bhs349
26. Kamijo, K., **Khan, N.A.**, Pontifex, M.B., Scudder, M.R., Drollette, E.S., Raine, L.B., Evans, E.M., Castelli, D.M., & Hillman, C.H. (2012). The relation of adiposity to cognitive control and scholastic achievement in preadolescent children. *Obesity*, 20, 2406-2411. doi:10.1038/oby.2012.112
27. Kamijo, K., Pontifex, M.B., **Khan, N.A.**, Raine, L.B., Scudder, M.R., Drollette, E.S., Evans, E.M., Castelli, D.M., & Hillman, C.H. (2012). The association of childhood obesity to neuroelectric indices of inhibition. *Psychophysiology*, 49, 1361-1371. doi:10.1111/j.1469-8986.2012.01459.x
28. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K. (2011). Using a teaching partnership to improve nutrition and exercise in college students. *Journal of North American Colleges & Teachers of Agriculture*.
29. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K. (2009). Peer education, exercising, and eating right (PEER): training of peers in an undergraduate faculty teaching partnership. *Journal of Nutrition Education and Behavior*, 41, 68-70. doi:10.1016/j.jneb.2008.03.116

Journal Articles in Review

1. Baumgartner, N.W., Walk, A.M., Edwards, C.E., Covello, A.R., Chojnacki, M.R., Reeser, G.E., Taylor, A., Holscher, H.D., and **Khan, N.A.** Physical Activity Moderates the Negative Influence of Adiposity on Cognitive Control.

2. McCorkle, S.M., Hassevoort, K., Baym, C.L., Kramer, A.F., Cohen, N.J., Hillman, C.H., & **Khan, N.A.** Carotenoids, particularly lutein and zeaxanthin, are positively associated with academic performance among prepubertal children.
3. Radlowski, E.C., Carnell, S., **Khan, N.A.**, Deoni, S., Elwell, C., Cohen, N., & Alonso-Alonso, M. Pediatric Neurocognition: Emerging Insights and Applications in Nutrition.

Abstracts

1. McLoughlin, G.M., Edwards, C.G., Covello, A.R., Baumgartner, N.W., Curran, M. R., Graber, K. C., Woods, A., & **Khan, N.A.** School lunch and physical activity during recess: interactive effects of health behaviors in the school setting. (under review).
2. Baumgartner, N. W., Walk, A. D., Edwards, C. G., Covello, A. R., Curran, M. R., Reeser, G. E., Taylor, A. M., Holscher, H. D., & **Khan, N.A.** Habitual physical activity moderates the negative influence of adiposity on cognitive control. (under review).
3. McLoughlin, G. M., Covello, A. R., Edwards, C. G., Baumgartner, N. W., Curran, M. R., Burkhalter, T., Graber, K. C., Woods, A., & **Khan, N. A.** The influence of contextual factors on recess physical activity among elementary school children. (under review).
4. Edwards, C.E., Walk, A.M., Thompson, S.V., Mullen, S., Holscher, H.D., and **Khan, N.A.** Domain-specific relationships between cognitive control and disordered eating attitudes. (under review).
5. Baumgartner, N.W., Walk, A.M., Edwards, C.E., Curran, M.R., Covello, A.R., Reeser, G.E., and **Khan, N.A.** Sedentary time is inversely related to behavioral and neuroelectric indices of cognitive control. (under review).
6. Evensen, J., Edwards, C.E., Thompson, S.V., Holscher, H.D., and **Khan, N.A.** Relationship between whole grain consumption and selective attention. (under review).
7. Taylor, A., Edwards, C.G., **Khan, N.A.**, Holscher, H.D. gastrointestinal microbiota and cognitive function in adult females. (under review).
8. Thompson, S.V., Berndt, J., Edwards, C.G., Erdman Jr. J.W., **Khan, N.A.**, O'Brien, Jr., W.D., Holscher, H.D. Bacterial fermentation end-products are related to hepatic steatosis among overweight and obese adults. *FASEB Journal*. (under review).
9. Westfall, D.R., Hassevoort, K.M., Barnett, S., Covello, A.R., Bottin, J.H., Perrier, E., Cohen, N.J., Hillman, C.H., & **Khan, N.A.** Effects of hydration on relational memory among preadolescent children. (under review).
10. Westfall, D.R., Barnett, S., Covello, A.R., Bottin, J.H., Perrier, E., **Khan, N.A.**, Hillman, C.H. The Influence of hydration on childhood cognitive control. (under review).
11. Drollette, E.S., Pontifex, M.B., Raine, L. B., Scudder, M.R., Davis Moore, Kao, S., Castelli, D.M., **Khan, N.A.**, Kramer, A.F., & Hillman, C.H. Effects of the FITKids Randomized Controlled Trial on Cognitive Control and Conflict Monitoring in Children. (under review).

12. **Khan, N.A.**, Hassevoort, K., Edwards C., Thompson, S., Barbey, A., Cohen, N.J., & Hannah Holscher. (2016). Gut microbiota fermentation end products are related to hippocampal memory function. (in press).
13. Edwards C., Curran M.R., Erdman Jr. J.W., Renzi, L., Hammond, B., & **Khan, N.A.** (2016). Retinal carotenoids, adiposity, and response variability in selective attention. In press.
14. Curran, M.R., Raine, L.B., Pontifex, M.B., Castelli, D.M., Hillman, C.H., **Khan, N.A.** (2016). Accumulation of fat mass during the school year is associated with lower gains in math achievement and cognitive control among preadolescent children. *FASEB Journal*.
15. Covello, A.R., Baumgartner, N.W., Curran, M.R., Reeser, G.E., Cohen, N.J., Kramer, A.F., Hillman, C.H., Barbey, A.K., & **Khan, N.A.** (2016). The sexual dimorphic relationship between dietary fiber intake and visceral adipose tissue. *FASEB Journal*.
16. Raine, L.B., Cohen, N.J., Kramer, A.F., Hillman, C.H., & **Khan, N.A.** (2016). Carbohydrates differentially influence children's efficiency during cognitive control tasks. *FASEB Journal*.
17. Raine, L.B., Cohen, N.J., Kramer, A.F., Hillman, C.H., & **Khan, N.A.** (2016). From visceral fat to brain function: The selectively negative influence of central adiposity on neuroelectric indices in preadolescent children. *FASEB Journal*.
18. Walk, W.M., Raine, L.B., Cohen, N.J., Kramer, A.F., Hillman, C.H., & **Khan, N.A.** (2016). Higher-fit children exhibit greater resilience to the transient effects of sucralose on cognitive control. *Journal of Medicine & Exercise in Sports and Exercise*.
19. Baumgartner, N. W., Covello, A. R., Reeser, G. E. Cohen, N.J., Kramer, A. F., Barbey, A.K., Hillman, C. H., & **Khan, N.A.** (2016). Moderate to vigorous physical activity influences aerobic capacity independent of body composition. *Journal of Medicine & Exercise in Sports and Exercise*.
20. McCorkle, S.M., **Khan, N.A.**, Raine, L.B., Hammond Jr., B.R., Renzi, L., & Hillman, C.H. (2015). Reliability of heterochromatic flicker photometry in measuring macular pigment optical density among preadolescent children. Food and Nutrition Conference and Expo.
21. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Kao, S., Kramer, A.F., Donovan, S.M., & Hillman, C.H. (2015). Small gestational deficits have long-term effects on cognitive control among preadolescents. *FASEB Journal*.
22. **Khan, N.A.**, Raine, L., Winter, A.J., Cohen, N.J., Kramer, A.F., & Hillman, C.H. (2015). Differential effects of carbohydrates on changes in acute childhood cognitive control. *FASEB Journal*.
23. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Cohen, N.J., Kramer, A.F., & Hillman, C.H. (2014). The relation of total water intake to cognitive function among prepubertal children. *Proceedings of the Hydration for Health (H4H) conference*.
24. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Pontifex, M.B., & Hillman, C.H. (2014). Differences in cognitive flexibility between healthy weight and obese children: An ERP study. *FASEB Journal*.

25. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Cohen, N.J., Kramer, A.F., & Hillman, C. H. (2014). Associations between diet quality and cognitive control in childhood. *FASEB Journal*.
26. Drollette, E.S., **Khan, N.A.**, Raine, L. B., Scudder, M.R., Davis Moore, R., Komisarz, C.E., Kramer, A.F., & Hillman, C.H. (2014). The sexual dimorphic pattern of central adiposity on ERPs in 8- to 10-year-old Children. *Psychophysiology*.
27. Raine, L.B., Pontifex, M.B., **Khan, N.A.**, Scudder, M.R., Drollette, E.S., Davis Moore, R., Wu, C., Kamijo, K., Castelli, D.M., & Hillman, C.H. (2014). The FITKids randomized controlled trial: effects of physical activity on cognitive and brain health in children. *Psychophysiology*.
28. Pindus, D., **Khan, N.A.**, Drollette, E.S., Davis Moore, R., Scudder, M.R., Raine, L.B., Sherar, L., & 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.
29. 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, K.I. (2014). Dissociable effects of lean mass versus fat mass on neuromorphology in children. *American Psychosomatic Society*.
30. Lynch, B., Weinstein, A.M., **Khan, N.A.**, Kramer, A.F., & Hillman, C.H., & Erickson, K.I. (2013). Amygdala volume is associated with central adiposity in children. Research symposia at Wake Forest University.
31. Scudder, M.R., **Khan, N.A.**, Lambourne, K., Drollette, E.S., Herrmann, S., Betts, J.L., Washburn, R., Donnelly, J.E., & Hillman, C.H. (2013). The Influence of metabolic syndrome risk factors on cognitive control in elementary age children. *International Society for Behavioral Nutrition and Physical Activity*.
32. **Khan, N.A.**, Baym, C.L., Raine, L.B., Drollette, E.S., Scudder, M.R., Kramer, A.F., Cohen, N.J., & Hillman, C.H. (2013). Central adiposity predicts hippocampal-dependent relational memory in prepubertal children. *FASEB Journal*.
33. Raine, L.B., **Khan, N.A.**, Drollette, E.S., Scudder, M.R., Cohen, N.J., Kramer, A.F., & Hillman, C.H. (2013). Towards a better understanding of the negative relationship between adiposity and cognitive health in prepubertal children. *FASEB Journal*.
34. Scudder, M.R., **Khan, N.A.**, Lambourne, K., Herrmann, S., Drollette, E.S., Washburn, R., Donnelly, J.E., & Hillman, C.H. (2013). Aerobic fitness and HDL cholesterol are independently associated with children's cognitive performance. *Journal of Medicine & Exercise in Sports and Exercise*.
35. 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. *Society for Neurosciences*.
36. Kamijo, K., Pontifex, M.B., **Khan, N.A.**, Raine, L.B., Scudder, M.R., Drollette, E.S., Evans, E.M., Castelli, D.M., & Hillman, C.H. (2012). Childhood obesity and action monitoring. *Psychophysiology*.
37. Pontifex, M.B., Kamijo, K., Scudder, M.R., Raine, L.B., **Khan, N.A.**, Evans, E.M., Castelli, D.M., & Hillman, C.H. (2012). The differential association between fitness, adiposity, and cognitive control in preadolescent children. *Psychophysiology*.

38. **Khan, N.A.**, Raine, L.B., Drollette, E.S., Scudder, M.R., Pontifex, M.B., Castelli, D.M., Hillman, C.H., Donovan, S.M., & Evans, E.M. (2012). Television viewing and intake of added sugars are related to central adiposity in prepubertal children. *FASEB Journal*.
39. Kamijo, K., Pontifex, M.B., Scudder, M.R., Drollette, E.S., **Khan, N.A.**, Castelli, D.M., Evans, E.M., & Hillman, C.H. (2011). Body mass and inhibitory control in preadolescent children. *Psychophysiology*.
40. 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. *Journal of Medicine & Exercise in Sports and Exercise*.
41. **Khan, N.A.**, Richey, A.L., Drollette, E.S., Scudder, M.R., Pontifex, M.B., Castelli, D.M., Hillman, & C.H., Evans E.M. (2011). Gender and race differences in bone mineral density, fat, and lean mass among black and white prepubertal children. *FASEB Journal*.
42. Kamijo, K., **Khan, N.A.**, Pontifex, M., 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. *Journal of Medicine & Exercise in Sports and Exercise*.
43. **Khan, N.A.**, Richey, A., Drollette, E.S., Scudder, M.R., Pontifex, M.B., Castelli, D.M., Hillman, C.H., & Evans, E.M. (2011). Maternal level of education is negatively related to television watching and adiposity in prepubertal children. *Journal of Nutrition Education and Behavior*.
44. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K.M. (2007). Peer education, exercising and eating right (PEER): an undergraduate faculty teaching partnership. *Journal of Nutrition Education and Behavior*.
45. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K.M. (2008). Implementing a peer delivered self-efficacy based undergraduate course in nutrition and kinesiology. *Journal of American Dietetic Association*.
46. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K.M. (2008). Peer education, exercising and eating right (PEER): developing, implementing and evaluating a teaching partnership. *FASEB Journal*.
47. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K.M. (2007). Peer education, exercising and eating right (PEER): training of peer educators in an undergraduate teaching partnership. *FASEB Journal*.
48. **Khan, N.A.**, Nasti, C., Evans, E.M., & Chapman-Novakofski, K.M. (2007). Peer education, exercising and eating right (PEER): curricula development in an undergraduate teaching partnership. *Proceedings of the North American Colleges and Teachers of Agriculture Conference*.
49. Davis, N., **Khan, N.A.**, Toston, T., Zanovec, M., Vidrine, K., & Tuuri, G. (2006). Fracture risk assessment in African-American women using quantitative ultrasound of the os calcis. *Journal of Medicine & Exercise in Sports and Exercise*.

50. **Khan, N.A.**, Vidrine, K., Lebas, J., & Tuuri, G. (2005). Comparison of quantitative ultrasound with dual-energy x-ray absorptiometry for osteoporosis risk assessment in Men. *Proceedings of the LS LAMP Annual Conference*.

Symposia Chaired & Symposia Presentations

Symposia Chaired

“Nutrition across the Lifespan: Nutrition, Neurobiology, Mood and Behavior”. Experimental Biology (San Diego, CA). 04/2016.

“Neurocognition: The Food-Brain Connection”. Experimental Biology (San Diego, CA). 04/2014.

Invited Symposia Presentations

Khan, N.A., “The Gut-Brain Highway: Can Traffic be Regulated by Diet?”. Food and Nutrition Conference and Expo, Academy of Nutrition and Dietetics (Boston, MA). 10/16/2016

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). 03/2016.

Khan, N.A., “Nutrition, Hydration and Cognition: New Frontier”. Satellite Lecture at American College of Sports Medicine Annual Meeting (San Diego, CA). 05/2015.

Khan, N.A., “Pediatric Neurocognitive Development: Emerging Insights and Applications in Nutrition”. Experimental Biology (Boston, MA). 04/2015.

Khan, N. A. “The impact of pediatric adiposity and nutrition on cognitive control and relational memory”. The Obesity across the Lifespan Symposium (Urbana, IL). 05/2014.

Khan, N. A. “The Influence of Adiposity and Diet on Childhood Cognitive Control and Relational Memory”. Symposium on Childhood Obesity and Cognition (Washington, D.C.). 10/2014.

Teaching Experience

Spring 2017 Special Topics in Kinesiology (KIN 494): Nutritional Neuroscience
Kinesiology and Community Health
University of Illinois at Urbana-Champaign

Spring 2017 Special Topics in Kinesiology (KIN 494): Health Behaviors and Obesity
Kinesiology and Community Health
University of Illinois at Urbana-Champaign

- Fall 2016 Special Topics in Kinesiology (KIN 494): Foods, Health & Wellness
Kinesiology and Community Health
University of Illinois at Urbana-Champaign
- Spring 2016 Special Topics in Kinesiology (KIN 494): Lifestyle, Obesity, and Cognition
Kinesiology and Community Health
University of Illinois at Urbana-Champaign
- Fall 2015 Special Topics in Kinesiology (KIN 494): Foods, Health & Wellness
Kinesiology and Community Health
University of Illinois at Urbana-Champaign
- 2010 – 2014 Fundamentals of Nutrition
Natural Sciences, Parkland College, Champaign, Illinois
- 2007 – 2009 Nutrition for 3rd Year Medical Students
Internal Medicine
University of Illinois at Urbana-Champaign

Invited Lectures

- Fall 2016 Community Nutrition
Food Science and Human Nutrition
University of Illinois at Urbana-Champaign
- Fall 2015 Community Nutrition
Food Science and Human Nutrition
University of Illinois at Urbana-Champaign
- Fall 2014 Physical Activity and Childhood Cognitive Health
Illinois Transdisciplinary Obesity Prevention Program
University of Illinois at Urbana-Champaign
- Fall 2013 Childhood Obesity: Causes, Correlates and Consequences
Nutritional Sciences
University of Illinois at Urbana-Champaign
- 2010-2013 Technical Systems Management: Humanity in the Food Web
Agriculture and Biological Engineering
University of Illinois at Urbana-Champaign
- Spring 2010 Weight Management Coaching
Kinesiology and Community Health
University of Illinois at Urbana-Champaign
- Spring 2010 Undergraduate Open Seminar
Kinesiology and Community Health
University of Illinois at Urbana-Champaign

Spring 2009 Nutritional Aspects of Disease
Food Science and Human Nutrition
University of Illinois at Urbana-Champaign

Fall 2007 Community Nutrition
Food Science and Human Nutrition
University of Illinois at Urbana-Champaign

Honors & Awards

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 Award
Division of Nutritional Sciences, University of Illinois at Urbana-Champaign

2011 William Rose Endowed Award
Division of Nutritional Sciences, University of Illinois at Urbana-Champaign

2008 Best Graduate Student Abstract
Nutrition Education Research Interest Section
American Society for Nutrition

2008-2011 Margin of Excellence Travel Awards
Division of Nutritional Sciences, University of Illinois at Urbana-Champaign

Clinical Experience

2008-2009 Dietetic Intern, Division of Nutritional Sciences
University of Illinois at Urbana-Champaign
Internship Sites: Veterans Affairs Illiana Health Care System, Danville, IL
Carle Foundation Hospital, Urbana, IL
Expanded Food and Nutrition Education Program, University of
Illinois Extension

2006 – 2008 Pre-Professional Graduate Assistant
McKinley Health Center
University of Illinois at Urbana-Champaign

Industry Experience

2010-2011 Doctoral Intern, Sensory Sciences
 Abbott Laboratories
 Research and Development
 Champaign, IL

Mentorship

Postdoctoral Scholars

Name	Years	Current Position
Anne McClure Walk, PhD in Experimental Psychology, Saint Louis University	2015-Present	<i>In Training</i>

Graduate Students (Primary Mentor)

Name	Degree	Years	Current Position
Alicia Covello	MS, Kinesiology	2017-Present	<i>In Training</i>
Caitlyn Edwards	PhD, Nutritional Sciences	2016-Present	<i>In Training</i>
Grace Niemi	PhD, Kinesiology	2016-Present	<i>In Training</i>
Morgan Curran	MS, Nutritional Sciences	2015-Present	<i>In Training</i>
Nicholas Baumgartner	MS, Kinesiology	2015-Present	<i>In Training</i>

Graduate Students (Committee Member)

Name	Degree	Years	Current Position
Bridget Hannon	PhD, Nutritional Sciences	2016-Present	<i>In Training</i>
Shih-Chun (Alvin) Kao	PhD, Kinesiology	2016-Present	<i>In Training</i>
Gabriella M. McLoughlin	PhD, Kinesiology	2016-Present	<i>In Training</i>
Sharon Thompson	PhD, Nutritional Sciences	2015-Present	<i>In Training</i>
Joanna Manero	MS, Nutritional Sciences	2015-Present	<i>In Training</i>
Sasha McCorkle	MS, Nutritional Sciences	2014-2016	PhD Student, Washington State University
Lauren Raine	PhD, Kinesiology	2012-2016	Postdoctoral Research Associate, Northeastern University

Undergraduate Students

Name	Degree	Years	Post Training	Current Position (if known)
Jackson Evensen	BS, Kinesiology	<i>In Training</i>		
Sean Zwicky	BS, Kinesiology	<i>In Training</i>		
Marianne Durkin	BS, Kinesiology	<i>In Training</i>		
Mark Balich	BS, Kinesiology	<i>In Training</i>		
Isabel Flemming	BS, Kinesiology	<i>In Training</i>		

Name	Degree	Years	Post Training	Current Position (if known)
Jessica Park	BS, Food Science & Human Nutrition	<i>In Training</i>		
Ruyu Liu	BS, Food Science & Human Nutrition	<i>In Training</i>		
Alaina Balbinot	BS, Food Science & Human Nutrition	<i>In Training</i>		
Connor Robbs	BS, Integrative Biology	<i>In Training</i>		
Dakota Morales	BS, Kinesiology	<i>In Training</i>		
Jeannette Hui	BS, Community Health	2015-2016	Graduate Program	MPH, University of Illinois at Urbana-Champaign
Dana Colla	BS, Food Science & Human Nutrition	2014-2016	Dietetic Intern Graduate Program	Dietetic Intern and Graduate Student, Saint Louis University, St. Louis MO
Lauren Schwerzler	BS, Food Science & Human Nutrition	2014-2016	Dietetic Intern	Clinical Nutrition Intern, Northwestern Memorial Hospital, Chicago, IL
Brooke Pfest	BS, Food Science & Human Nutrition	2013-2014	Dietetic Intern	Dietitian, Chicago, IL
Emily Walker	BS, Food Science & Human Nutrition	2013-2015	Dietetic Intern	Dietetic Intern, Benedictine University
Joanna Manero	BS, Food Science & Human Nutrition	2013-2015	Graduate Program	MS Student, University of Illinois at Urbana-Champaign
Ashley Ejnik	BS, Food Science & Human Nutrition	2011-2013	Dietetic Intern	Certified Personal Trainer, Delnor Health and Fitness Center, Geneva, IL
Alexis Tiller	BS, Food Science & Human Nutrition	2011-2014	Dietetic Intern	Regulatory Affairs Associate Scientist, PepsiCo, Barrington, IL
Madelyn Thanasouras	BS, Food Science & Human Nutrition	2011-2013	Dietetic Intern	Assistant General Manager, MB Real Estate
Bridget Schuld	BS, Food Science & Human Nutrition	2011-2013	Dietetic Intern	Clinical Dietitian, Loyola University Medical Center

Society Memberships

2014-Present The Obesity Society
2011-Present American Society for Nutrition
2009-2012 Society for Nutrition Education and Behavior

Service

National Committees

2016-Present Nutrition and Health Committee for Planning and Guidance, United States
Department of Agriculture, National Institute of Food and Agriculture

Advisory Boards

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

Ad hoc Journal Reviewer

Nutritional Neuroscience

Appetite

British Journal of Nutrition

JAMA Pediatrics

American Journal of Clinical Nutrition

Psychophysiology

Obesity

Journal of Nutrition Education and Behavior

Contemporary Clinical Trials

University of Illinois at Urbana-Champaign

Department of Kinesiology and Community Health

2017-Present Search Committee, Assistant/Associate Professor

2015-2016 Student Travel Award Review Committee

Division of Nutritional Sciences

2015-Present Annual Student Review Committee

Family Resiliency Center

2015-2016 Seed Grant Review