

Curriculum Vitae  
**KYLE STANLEY BURGER**

**CORRESPONDENCE**

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**EDUCATION**

- 2009 **Ph.D.** Nutritional Sciences. Colorado State University/University of Colorado - Denver. Dissertation: Food as a visual cue: An analysis of perception, eating behavior and neural activity. Mentor: Susan L. Johnson.
- 2005 **R.D.** Dietetic Internship, Tulane University. School of Public Health and Tropical Medicine. Registered Dietitian 5/2005 - current.
- 2004 **M.P.H.** Behavioral Sciences and Health Promotion, San Diego State University. Graduate School of Public Health. Thesis: Perception of self-selected portion size in college students. Mentor: Karen J. Coleman.
- 2001 **B.S.** Nutrition and Dietetics, University of Nevada. College of Agriculture, Biotechnology, and Natural Resources.

**PROFESSIONAL EXPERIENCE**

- 2023 - current Professor of Nutrition, University of North Carolina at Chapel Hill
- 2023 - current Associate Chair for Research, Department of Nutrition, University of North Carolina at Chapel Hill
- 2021 - 2023 Executive committee member, Core Neuropsychological Measures for Obesity and Diabetes Trials working group, National Institutes of Health.
- 2021 - current Research Fellow, Center for Environmental Health and Susceptibility
- 2019 - 2023 Associate Professor of Nutrition, University of North Carolina at Chapel Hill
- 2018 - current Member, Nutrition Obesity Research Center
- 2017 - current Research Fellow, Center for Health Promotion and Disease Prevention
- 2013 - 2019 Assistant Professor of Nutrition, University of North Carolina at Chapel Hill
- 2013 - current Faculty, Biomedical Research Imaging Center, University of North Carolina at Chapel Hill
- 2013 - 2013 Visiting Assistant Professor of Nutrition, University of North Carolina at Chapel Hill
- 2012 - 2013 Research Scientist, Oregon Research Institute
- 2012 - 2012 Associate Scientist, Oregon Research Institute
- 2010 - 2012 Postdoctoral Research Associate, Oregon Research Institute
- 2006 - 2009 Predoctoral Research Fellow, University of Colorado - Denver
- 2005 - 2006 Registered Dietitian, Hartshorn Health Service
- 2004 - 2005 Dietetic Intern, Tulane University

**HONORS**

- 2019 Member, Delta Omega, Theta Chapter
- 2016 Junior Faculty Development Award, American Diabetes Association

2015	Junior Faculty Development Award, UNC-CH
2015	Chancellor's Innovation Summit, UNC-CH
2012	Ethan Sims Young Investigator Award (finalist), The Obesity Society
2012	Basic Science Abstract Award for Excellence in Obesity Research, The Obesity Society
2009	American Society of Nutrition Travel Award (finalist)
2008	Helen F. McHugh Graduate Fellowship, Colorado State University

## BIBLIOGRAPHY

### i. Books and chapters

^Student author, ^Postdoctoral/faculty mentee

1. **Burger KS**, ^Papantoni A (2023). Food reinforcement architecture: profiles for impulsive and compulsive overeating and food abuse. *Handbook of Food and Addiction 2nd Edition*. Oxford University Press. 3,600 words, 12 pages.
2. **Burger KS**, ^Shearrer GE, ^Sadler JR (2018). Brain, Environment, Hormone-based in of Appetite, Ingestive Behavior, and Body Weight in *Textbook of Energy Balance, Neuropeptide Hormones, and Neuroendocrine Function* Springer. 15,400 words, 48 manuscript pages.
3. **Burger KS**, ^Sanders AJ, ^Kantak PA (2015). Brain-Based Drivers & Consequences of Hedonic Overeating in *Hedonic Eating*. Oxford University Press. 6,700 words, 37 manuscript pages.
4. Stice E, Yokum S, **Burger KS**. (2014). Neural Vulnerability Factors that Increase Risk for Weight Gain: Prevention and Treatment Implications in *Molecular Mechanisms Underpinning the Development of Obesity*. 7,200 words, 21 manuscript pages.
5. Stice E, **Burger KS**. (2013). Dieting as a Risk Factor for Eating Disorders in *The Wiley-Blackwell Handbook of Eating Disorders*. John Wiley & Sons Ltd. 6,800 words, 17 manuscript pages.
6. Stice E, **Burger KS**. (2012). Neurobiology of Overeating in eLS. John Wiley & Sons Ltd. (online) 4,700 words, 20 manuscript pages.

### ii. Peer-reviewed publications

^Student author; ^Postdoctoral/faculty mentee author, \**Special Significance*

1. **Burger KS**. (2023). Food reinforcement architecture: A framework of compulsive and impulsive eating behaviors. *Obesity*, 31(7), 1734-1744.  
\**Editors Choice*
2. Lipksy LM, **Burger KS**, Cummings J, Faith M, Nansel, T. (2023). Associations of parent feeding behaviors and early life food exposures with early childhood appetitive traits in an observational cohort study. *Physiology & Behavior*, 265, 114175.
3. ^Igudesman D, Crandell J, Corbin KD, Zaharieva DP, Addala A, Thomas, JM, **Burger KS** ... & ACT1ON Study Group. (2022). Weight management in young adults with type 1 diabetes: The advancing care for type 1 diabetes and obesity network sequential multiple assignment randomized trial pilot results. *Diabetes, Obesity, and Metabolism*. 25(3), 688-699.
4. Nansel TR, Cummings JR, **Burger KS**, Siega-Riz, AM, Lipsky LM. (2022). Greater Ultra-Processed Food Intake during Pregnancy and Postpartum Is Associated with Multiple Aspects of Lower Diet Quality. *Nutrients*, 14(19), 3933.
5. ^Irwin A, Igudesman, D, Crandell J, Kichler JC, Kahkoska AR, **Burger KS**, ... & Mayer-Davis, E. J. (2022). Mindfulness, disordered eating, and impulsivity in relation to glycemia among adolescents with type 1 diabetes and suboptimal glycemia from the Flexible Lifestyles Empowering Change (FLEX) intervention trial. *Pediatric Diabetes*. 23(4), 516-526.
6. ^Papantoni A, ^Shearrer GE, ^Sadler JR, Stice E, & **Burger KS**. (2021). Longitudinal Associations Between Taste Sensitivity, Taste Liking, Dietary Intake and BMI in Adolescents. *Frontiers in Psychology*, 12, 597704.

7. ^Sadler JR, ^Shearrer GE, ^Papantoni A, Yokum ST, Stice E, & **Burger KS**. (2021). Correlates of neural adaptation to food cues and taste: the role of obesity risk factors. *Social Cognitive and Affective Neuroscience*, 18(1), p nsab018.
8. **Burger KS**, Lipsky LM, Faith MS, Siega-Riz, AM, Liu A, ^Shearrer GE, & Nansel TR. (2021). Pregnant Women Consume a Similar Proportion of Highly vs Minimally Processed Foods in the Absence of Hunger, Leading to Large Differences in Energy Intake. *Journal of the Academy of Nutrition and Dietetics*, 121(3), 446-457.
9. Lipsky LM, **Burger KS**, Faith MS, ^Shearrer GE, & Nansel TR. (2021). Eating in the Absence of Hunger Is Related to Worse Diet Quality throughout Pregnancy. *Journal of the Academy of Nutrition and Dietetics*, 121(3), 501-506.
10. ^Sadler JR, ^Shearrer GE, & **Burger KS**. (2021). Alterations in ventral attention network connectivity in individuals with prediabetes. *Nutritional Neuroscience*, 24(2), 140-147.
11. ^Shearrer GE, ^Sadler JR, ^Papantoni A, & **Burger KS**. (2020). Earlier onset of menstruation is related to increased body mass index in adulthood and altered functional correlations between visual, task control and somatosensory brain networks. *Journal of Neuroendocrinology*, 32(12), e12891.
12. Nansel TR, Lipsky LM, **Burger KS**, Faith M, Nicholson, W, Stuebe A., ... & Siega-Riz AM. (2020). Reward-related eating, self-regulation, and weight change in pregnancy and postpartum: the Pregnancy Eating Attributes Study (PEAS). *International Journal of Obesity*, 44(12), 2444-2454.
13. ^Sadler JR, ^Shearrer GE, ^Papantoni A, Gordon-Larsen P, **Burger KS**. (2020). Behavioral and physiological characteristics associated with learning performance on an appetitive probabilistic selection task. *Physiology & Behavior*. 29, 112984.
14. ^Sadler JR, ^Shearrer GE, Acosta NT, ^Papantoni A, Cohen JR, Small DM, Park SQ, Gordon-Larsen P, **Burger KS**. (2020). Network organization during probabilistic learning via taste outcomes. *Physiology & Behavior*. 23, 112.
15. ^Kahkoska AR, Nguyen CT, Adair LA, Aiello AE, **Burger KS**, Buse JB, Dabelea D, Dolan LM, Malik FS, Mottl AK, Pihoker C. (2019). Longitudinal phenotypes of type 1 diabetes in youth based on weight and glycemia and their association with complications. *The Journal of Clinical Endocrinology & Metabolism*. 104, 6003-16.
16. ^Kahkoska AR, Adair LA, Aiello AE, et al. (2019). Identification of clinically relevant dysglycemia phenotypes based on continuous glucose monitoring data from youth with type 1 diabetes and elevated hemoglobin A1c. *Pediatric Diabetes*. 20(5):556-566.
17. ^Shearrer GE, Nansel TR, Lipsky LM, ^Sadler JR, & **Burger KS**. (2019). The impact of elevated body mass on brain responses during appetitive prediction error in postpartum women. *Physiology & Behavior*, 206, 243-251.
18. ^Sadler, JR, ^Shearrer GE, & **Burger KS**. (2019). Alterations in ventral attention network connectivity in individuals with prediabetes. *Nutritional Neuroscience*, 24(2), 140-147.
19. ^Sadler JR, Stice E, ^Shearrer GE, & **Burger KS**. (2019). Individual differences in appeal of energy dense foods predicts lower body mass change during adolescence. *Appetite*, 133, 184-190.
20. Stice E, & **Burger KS**. (2019). Neural vulnerability factors for obesity. *Clinical psychology Review*, 68, 38-53.
21. ^Sadler JR, Shearrer GE, **Burger KS**. (2018). Body mass variability is represented by distinct functional connectivity patterns *NeuroImage*, 133, 184-190.
22. ^Shearrer GE, Stice E, **Burger KS**. (2018). Adolescents at high risk of obesity show greater striatal response to increased sugar content in milkshakes. *The American Journal of Clinical Nutrition* 107, 859-866.

23. ^Tripicchio, Gina L., et al. (2018) "Clinical-Community Collaboration: A Strategy to Improve Retention and Outcomes in Low-Income Minority Youth in Family-Based Obesity Treatment." *Childhood Obesity* 14, 141-148.
  24. ^Tripicchio GL, Ammerman AS, Neshteruk C, Faith MS, Dean K, Befort C, Ward DS, Truesdale KP, **Burger KS**, Davis A. (2017). Technology Components as Adjuncts to Family-Based Pediatric Obesity Treatment in Low-Income Minority Youth. *Childhood Obesity*, 13, 433-442.
  25. ^Gilbert JR, Stice E, **Burger KS**. (2017). Elevated thalamic response to high sugar milkshake in ethnic and racial minorities. *Journal of Race and Ethnicity Health Disparities*, 1-8.
  26. ^Kahkoska AK, Mayer-Davis EJ, Hood KK, Maahs DM, **Burger KS**. (2017). Behavioural Implications of Traditional Treatment and Closed Loop Automated Insulin Delivery Systems in Type 1 Diabetes: Applying Cognitive Restraint Theory Framework. *Diabetic Medicine Diabetic Medicine*, 34, 1500-1507.
  27. **Burger KS**. (2017). Frontostriatal adaptations to repeated high sugar intake: An fMRI Experiment (2017). *American Journal of Clinical Nutrition*, 105, 555-563.
  28. Nansel TR, Lipsky LM, Siega-Riz AM, **Burger KS**, Faith M, Liu A. (2016). Pregnancy Eating Attributes Study (PEAS): a cohort study examining behavioral and environmental influences on diet and weight change in pregnancy and postpartum. *BMC Nutrition*, 2(45).
  29. **Burger KS**, ^Sanders AJ, ^Glibert JR (2016). Hedonic hunger's relation to neural, behavioral & perceptual responses to food stimuli: Evidence from three, independent investigations. *Journal of Nutrition*, 146, 1807-1812.
  30. ^Glibert JR, **Burger KS**. (2016). Neuroadaptive processes associated with palatable food intake: Present data and future directions. *Current Opinions in Behavioral Sciences*, 9, 91-96.
  31. ^Tripicchio G, Heo M, Diwald L, Noar SM, Dooley R, Pietrobelli A, **Burger KS**, Faith MS. (2016) Restricting advertisements for high-fat, high-sugar foods during children's television programs: Attitudes in a US population-based sample. *Childhood Obesity*. 12, 113-118.
  32. **Burger KS**, ^Shearrer GE, ^Sanders AJ. (2015). Hedonic and homeostatic regulators of eating behavior and weight regulation: Evidence from human functional neuroimaging studies. *Current Diabetes Reports*, 15, 1-9.
  33. Stice E, Palmrose C, **Burger KS**. (2015). Elevated BMI and male gender predict greater underreporting of caloric intake as assessed by doubly labeled water. *Journal of Nutrition*, 145, 2412-2418.
  34. Stice E, **Burger KS**, & Yokum S. (2015). Reward region responsivity predicts future weight gain and moderating effects of the TaqIA Allele. *The Journal of Neuroscience*, 35, 10316-10324.
  35. Stice E, Yokum S, **Burger KS**, et al., (2015). A pilot randomized trial of a cognitive reappraisal obesity prevention program. *Physiology & Behavior*, 138, 124-132. PMCID: PMC4258533.
  36. **Burger KS** & Stice E. (2014). Greater striatopallidal adaptive coding during cue-reward learning and food reward habituation predict future weight gain. *NeuroImage*, 99, 122-128.
- \*Voted special significance in its field by Faculty of 1000.
37. Johnson SL, Boles R, **Burger KS**. (2014). Using participant hedonic ratings of food images to construct data driven food groupings. *Appetite*, 79, 189-196.
  38. **Burger KS** & ^Berner LA. (2014). A functional neuroimaging review of obesity, appetitive hormones and ingestive behavior. *Physiology & Behavior*, 136, 121-127.
  39. **Burger KS** & Stice E. (2014) Neural responsivity during soft drink intake, anticipation, and advertisement exposure in habitually consuming youth. *Obesity*, 22, 441-450.
  40. Stice E, **Burger KS**, Yokum S. (2013). Relative ability of fat and sugar tastes to activate reward, gustatory, and somatosensory regions. *American Journal of Clinical Nutrition*. 98, 1377-1384.
  41. **Burger KS** & Stice E. (2013). Elevated energy intake is correlated with hyperresponsivity in attentional, gustatory, and reward brain regions while anticipating palatable food receipt. *American Journal of Clinical Nutrition*. 97, 1188-1194.

42. Stice E, Yokum S, **Burger KS**. (2013). Elevated responsivity of reward regions to food and monetary reward predicts future weight gain. *Biological Psychiatry*, 73, 869-876.
43. Stice E, **Burger KS**, Yokum S. (2013). Caloric deprivation increases responsivity of attention and reward brain regions to intake, anticipated intake, and images of palatable foods. *NeuroImage*, 67, 322-330.
44. **Burger KS**, Stice E. (2012). Frequent ice cream consumption is associated with reduced striatal response to receipt of an ice cream-based milkshake. *American Journal of Clinical Nutrition*, 95, 810-817.
45. Stice E, Yokum S, **Burger KS**, Epstein L, Smolen, A. (2012). Multilocus genetic composite reflecting dopamine signaling capacity predicts reward circuitry responsivity. *Journal of Neuroscience*, 32, 1506-1512.
46. **Burger KS**, Stice E. (2011). Variability in reward responsivity and obesity: Evidence from brain imaging studies. *Current Drug Abuse Reviews*, 4, 182-189.
47. **Burger KS**, Cornier MA, Ingebrigtsen J, Johnson SL. (2011). Assessing food appeal and desire to eat: The effects of portion size & energy density. *International Journal of Behavioral Nutrition and Physical Activity*, 8(101), 1-7.
48. **Burger KS**, Stice E. (2011). Relation of dietary restraint scores to activation of reward-related brain regions in response to food intake, anticipated intake, and food pictures. *NeuroImage*, 55, 233-239.
49. **Burger KS**, Fisher JO, Johnson SL. (2011). Mechanisms behind the portion size effect: visibility and bite size. *Obesity*, 19, 546-551.
50. Stice E, Durant S, **Burger KS**, Schoeller DA. (2011). Weight suppression and risk for future increases in body mass: effects of suppressed resting metabolic rate and energy expenditure. *American Journal of Clinical Nutrition*, 94, 7-11.
51. Stice E, Yokum S, **Burger KS**, Epstein L, Small DM. (2011). Youth at risk for obesity show greater activation of striatal and somatosensory regions to food. *The Journal of Neuroscience*, 31, 4360-4366.
52. **Burger KS**, Kern M, Coleman KJ. (2007). Characteristics of self-selected portion size in young adults. *Journal of the American Dietetic Association*, 107, 611-618.
53. **Burger KS**. (2006). Portion size and obesity in America: A potential link, a growing concern. *SCAN's Pulse*, 2, 10-13.

### iii. Invited commentaries & additional publications

1. **Burger KS** & Noble E. (2023). Introduction to the Proceedings of the SSIB 2022 Annual Meeting Special Collection. *Physiology & Behavior*, in press.
2. Tracy AL, & **Burger KS**. (2022). Introduction to the Proceedings of the SSIB 2021 Annual Meeting Special Collection. *Appetite*, 106282-106282.
3. **Burger KS** (2022). *Hard to Break: Why Our Brains Make Habits Stick* Russell A. Poldrack Princeton, NJ: Princeton University Press. e22178.
4. **Burger KS**. (2018). Increasing the Reproducibility and Transparency of Ingestive Behavior Research. *SSIB Intake*, 27, 7-8.

### iv. Selected refereed presentations & peer-reviewed abstracts

\*Invited (26 invited), ^Student mentee author, ^Postdoctoral mentee author, #*Special significance*

1. \***Burger KS**. (Invited Oral). Sugar consumption: a driving factor of future intake. University of Colorado - Denver, Denver, Colorado 12/2023.
2. \***Burger KS**. (Invited Oral). Ingestive behavior impacts neural response to foods before obesity. Translational sugar symposium. University of Washington, Seattle, Washington 12/2023.
3. \***Burger KS**. (Invited Oral). Food reinforcement learning, dietary habits, and overeating. 10/2023.

4. \***Burger KS**. (Invited Oral). The role of ingestive behavior in the development compulsive and impulsive overeating. 10/2023. Interdisciplinary Nutrition Sciences Symposium, Chapel Hill, North Carolina.
5. \***Burger KS**. (Invited Oral). Personalized prediction of free-living food intake. Benjamin Franklin & Lafayette Seminar, Fejus, France 6/2023.
6. \***Burger KS**. (Invited Oral). Cyclic nature of food reinforcement and overeating. Translational Research Institute, 1/2023.
7. \***Burger KS**. (Invited Oral). Sugar as a causal factor in overeating. Pioneers in Biomedical Research, Virginia Tech 10/2022.
8. \***Burger KS**. (Invited Oral). The cyclical nature of food reinforcement, dietary choice, and overeating. Center for Weight and Eating Disorders, University of Pennsylvania 5/2022.
9. <sup>^</sup>Shearrer GE, <sup>^</sup>Papantoni A, **Burger KS**. (Oral) Central Obesity and Puberty Associated with Caudate Response During Anticipation but not Reward, The Obesity Society annual meeting, Online/Interactive, 11/2021.
10. <sup>^</sup>Papantoni A, <sup>^</sup>Shearrer GE, <sup>^</sup>Sadler JR, **Burger KS** (Oral). High sugar intake from beverages Is associated with decreased dopaminergic brain response to sugar, The Obesity Society annual meeting, Online/Interactive, 11/2021.
11. <sup>^</sup>Papantoni A, Lipsky LM, Nansel TR, Faith MS, <sup>^</sup>Shearrer GE, Siega-Riz AM, **Burger KS**. Eating Highly Processed Foods In The Absence Of Hunger During Pregnancy Predicts Offspring BMI At 3.5 Years Of Age. Annual Meeting of the Society for the Study of Ingestive Behavior (SSIB), Online/Interactive, 7/2021.
12. <sup>^</sup>Papantoni A, Shearrer GE, Sadler JR, Stice E, **Burger KS** (Oral). Longitudinal associations of taste sensitivity and preference, dietary intake and BMI in adolescents, The Obesity Society annual meeting, Online/Interactive, 11/2020.
13. <sup>^</sup>Gilbert JR, <sup>^</sup>Shearer GE, Acosta N, **Burger KS**. Neural representation of positive and negative outcome learning via taste. Organization of Human Brain Mapping. 5/2019
14. \***Burger KS**. (Invited Oral). Biobehavioral and environmental drivers of ingestive behavior. The Pennsylvania State University. 2/2018
15. \***Burger KS**. (Invited Oral). Biobehavioral drivers of ingestive behavior during adolescents. Flux: Big data Little brains. 5/2018
16. <sup>^</sup>Shearer GE, <sup>^</sup>Gilbert JR, **Burger KS** Dynamic Resting State Connectivity after a High-Sugar Meal—A Neural Signature of Feeding Diabetes 67 (Supplement 1), 2428-PUB.
17. <sup>^</sup>Shearer GE, <sup>^</sup>Gilbert JR, **Burger KS**. (Oral). Obesity risk moderates healthy weight adolescents' BOLD response to sugar and fat. Annual Meeting of the Obesity Society, Oct 30-Nov 2, 2017.

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18. <sup>^</sup>Gilbert JR, <sup>^</sup>Shearer GE, **Burger KS**. (Oral). Body mass dependent differences in functional connectivity. Annual Meeting of the Obesity Society, Oct 30-Nov 2, 2017.
19. \***Burger KS**. (Invited Oral). Weight Regulation, Dietary Restraint, and Type 1 Diabetes. The annual meeting of the American Diabetes Association, San Diego, CA (6/10/2017).
20. <sup>^</sup>Shearer GE, <sup>^</sup>Gilbert JR, **Burger KS**. (Poster). That's rich: Weight-related differences in rich club organization in the brain. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2017.
21. <sup>^</sup>Shearer GE, Gilbert JR, **Burger KS**. (Oral). Efficient and small world brain networks across the weight spectrum. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2017.
22. **Burger KS**. <sup>^</sup>Gilbert JR, <sup>^</sup>Shearer GE. (Poster). Predicting flavor and beverage type from brain imaging data. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2017.

23. ^Gilbert JR, ^Shearer GE, **Burger KS**. (Poster). No free lunch: Decoding the hedonic value of food from human neuroimaging data. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2017.
24. ^Gilbert JR, ^Shearer GE, **Burger KS**. (Oral). Brain response to appetizing food images prediction of weight gain in adolescents. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2017.
25. \***Burger KS**. (Invited Oral). Impact of Acute and Habitual Intake on Brain Processing of Food Stimuli and Functional Connectivity. Society of Biological Psychiatry, May 18-20, 2017 San Diego, CA.
26. \***Burger KS**. (Invited Oral). Habit formation in ingestive behavior and open science: Next in steps nutrition. The Pennsylvania State University, State College, PA. (4/18/2017).
27. \***Burger KS**. (Invited Oral). Neurobehavioral adaptations to regular high-sugar food intake. University of Buffalo, Buffalo, NY. (3/1/2017).
28. ^Gilbert JR, **Burger KS**. (Oral). Obesity associated with aberrant resting state brain connectivity in response to a high sugar meal. Annual Scientific Meeting of the Obesity Society, Oct. 29-2, 2017, New Orleans, LA.
29. ^Gilbert JR, **Burger KS**. (Oral) Alterations in context-dependent functional connectivity following daily consumption of sugar sweetened beverage. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2016, Porto, Portugal.
30. ^Gilbert JR, **Burger KS**. (Poster). Elevated somatosensory and gustatory response to high-sugar milkshake associated with minority groups. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2016, Porto, Portugal.
31. ^Kantak P, Gilbert JR, **Burger KS**. (Poster). Data-driven examination of resting state brain networks in obesity. Annual Meeting of the Society for the Study of Ingestive Behavior, July 12-16, 2016, Porto, Portugal.
32. ^Gilbert JR, **Burger KS**. (Poster). Alterations in context-dependent functional connectivity following daily consumption of sugar sweetened beverage. Triangle Imaging Symposium, UNC School of Medicine, Chapel Hill, NC (2/9/2016).
33. \***Burger KS**. (Invited Oral). Neural correlates & consequences of eating behavior. Department of Psychology and Neuroscience, Chapel Hill, NC (2/9/2016).
34. **Burger KS**. (Oral). Neural & behavioral consequences of daily high-sugar juice consumption: An fMRI experiment. Annual Meeting of the Society for the Study of Ingestive Behavior, July 7-11, 2015, Denver, CO.
35. ^Sanders, AJ, **Burger KS**. (Poster). Hedonic hunger's relation to neural, behavioral & perceptual responses to food stimuli: Evidence from three studies. Annual Meeting of the Society for the Study of Ingestive Behavior, July 7-11, 2015, Denver, CO.
36. \***Burger KS**. (Invited Oral). Neural correlates & consequences of eating behavior. Biomedical Research Imaging Center, Chapel Hill, NC (3/27/2015).
37. \***Burger KS**. (Invited Oral). Aberrant neural response & ingestive behavior: Human neuroimaging studies. Bowles Center for Alcohol Studies Seminar, Chapel Hill, NC (10/27/2014).
38. \***Burger KS**. (Invited Oral). Food for thought and thoughts of food: brain imaging and what we eat. University of North Carolina Nutrition Alumni Association, Durham, NC (10/23/2014).
39. \***Burger KS**. (Invited Oral). Aberrant reward responsivity & eating behavior: Evidence from human neuroimaging studies. Boston Nutrition Obesity Research Center, Boston University School of Medicine, Boston, MA (7/25/2014).
40. **Burger KS**, Stice E. (Oral). Neural correlates of sweet & fat taste sensitivity in youth. Annual Meeting of the Society for the Study of Ingestive Behavior, July 28-2, 2014, Seattle, WA.
41. Stice E, **Burger KS**. (Poster). Do Overweight and Underweight Individuals Differ from Healthy Weight individuals in Neural Response to Palatable Food in Qualitatively Distinct Ways? Annual Meeting of the Society for the Study of Ingestive Behavior, July 28-2, 2014, Seattle, WA.

42. **\*Burger KS.** (Invited Oral). Your brain on sugar. *Appetite for Life* series, Nutrition Research Institute, Kannapolis, NC (4/8/2014).
  43. **\*Burger KS.** (Invited Oral). Your brain on food: From the bench to behavior and back. University of North Carolina at Chapel Hill, Chapel Hill, NC (1/14/2014).
  44. **\*Burger KS** (Invited Oral; symposia). Effects of dietary habits on the neural response to food stimuli: Evidence from neuroimaging studies. Annual Meeting of the Society for the Study of Ingestive Behavior, Aug 1-3, 2013, New Orleans, LA.
  45. **\*Burger KS.** (Invited Oral). The relation between food reward neuroplasticity and ingestive behavior. The John B. Pierce Laboratory, Yale University, New Haven, CT (10/4/2013).
  46. Durant SN, **Burger KS**, Stice E. Effects of sugar content on neural responsivity during ingestion of palatable foods. (Poster) Annual Meeting of the Society for the Study of Ingestive Behavior, Aug 1-3, 2013, New Orleans, LA.
  47. Bohon C, **Burger KS**, & Stice E. (2013). Functional Connectivity While Viewing Cues for Taste Delivery Related to Body Mass in Healthy-Weight Adolescents. *Biological Psychiatry*, 73, 197S-198S.
  48. **Burger KS.** (Oral) Neural responsivity to Coca-Cola® advertisement exposure and receipt in habitually consuming adolescents: A pilot fMRI investigation. Annual Scientific Meeting of the Obesity Society, Sept. 20-24, 2012, San Antonio, TX.
- #Ethan Sims Finalist
49. **Burger KS**, Stice E. (Poster). Doubly-labeled water estimates of food intake are positively related to activity in attentional and gustatory brain regions when anticipating palatable food receipt. Annual Scientific Meeting of the Obesity Society, Sept. 20-24, 2012, San Antonio, TX.
- #Basic Science Award
50. **\*Burger KS.** (Invited Oral). Food Intake: Ingestive behavior, neural responsivity & perception. Leeds University, 3/2012, Leeds, England.
  51. **Burger KS.** (Oral). Ingestive Behavior: The past, present & future. Oregon Research Institute, 9/2012, Eugene, OR.
  52. **Burger KS.** (Oral). Neuroimaging of food reward and obesity: Controversies and consistencies. University of Oregon, 8/2012, Eugene OR.
  53. **\*Burger KS.** (Invited Oral). Food intake: Analysis of perception, eating behavior and neural responsivity University of Missouri, 2/2012, Columbia MO.
  54. **Burger KS.** (Oral). Food intake: Perception, behavior & brains. Oregon Research Institute, 1/2012, Eugene OR.
  55. **Burger KS**, Stice E. (Poster). Frequent ice cream consumption is associated with blunted reward circuitry response to ice cream intake. Eating Disorders Research Society Annual Meeting. Sept 22-24, 2011, Edinburgh, Scotland.
  56. Stice E, **Burger KS.** (Poster). Youth at risk for obesity show greater activation of striatal and somatosensory regions to food. Eating Disorders Research Society Annual Meeting. Sept 22-24, 2011, Edinburgh, Scotland.
  57. Durant S, Stice E, **Burger KS**, Schoeller DA. (Poster). Weight suppression and risk for future increases in body mass: Effects of suppressed resting metabolic rate and energy expenditure. Eating Disorders Research Society Annual Meeting. Sept 22-24, 2011, Edinburgh, Scotland.
  58. **Burger KS**, Yokum S, Bohon C, Stice E. (Oral). Relations of dietary restraint and neural activation in response to anticipatory and consummatory food reward. Annual Scientific Meeting of the Obesity Society. Oct 8-12, 2010, San Diego, CA.
  59. **\*Burger KS.** (Oral). Mechanisms underlying the portion size effect: visibility & bite size. Oregon Research Institute, 11/2009, Eugene OR.
  60. **Burger KS**, Johnson SL. (Poster). Portion size affects hedonic ratings of food in overweight individuals. Annual Scientific Meeting of the Obesity Society. Oct. 24-28, 2009, Washington DC.



61. **Burger KS**, Boles RE, Cornier MA, Johnson SL. (Poster). Principal component analysis of food images: The role of hedonic value. Annual Scientific Meeting of the Obesity Society. Oct. 24-28, 2009, Washington DC.
62. **Burger KS**, Cornier MA, Johnson SL. (Oral). Portion size affects hedonic ratings of food in overweight individuals. Experimental Biology, April 19-22, 2009, New Orleans, LA, USA.
63. **\*Burger KS**, Johnson SL, Kern M, Coleman KJ. (Invited mini-symposia). The relationship among body mass index, energy density and self-served food portions. International Society for Behavioral Nutrition and Physical Activity. May 21-24, 2008, Banff, Alberta, Canada.
64. **Burger KS**, Taylor-Holloway LA, Krebs NF, Johnson SL. (Poster). Impact of a caloric versus non-caloric preload on children's nutrient intake. Experimental Biology, April 28-May 2 2007, Washington DC.
65. **Burger KS** The diet stops here. (Oral). Colorado State University Women's Conference, 3/2006, Fort Collins, CO.

#### **v. Products of engaged scholarship**

1. BrainBits iOS application for iPad, iPhone
2. BIDS converter application: A self-contained application to convert DICOMS (raw fMRI data) to the preferred and standard functional neuroimaging data structure; 'Brain Imaging Data Structure; BIDS'

#### **DIVERSITY AND INCLUSION:**

- |             |  |
|-------------|--|
| 2022        | Conducting a Fair and Diverse Search: UNC: Carolina Talent   |
| 2022 - 2023 | Leadership Fundamentals (UNC-CH)   |
| 2022        | Inclusive Excellence Summer Symposium: Creating Inclusive Classroom Discussions (UNC-CH)             |
| 2022        | Inclusive Excellence Summer Symposium: Promoting Inclusivity in Classroom Discussions (UNC-CH)       |
| 2022        | Inclusive Excellence Summer Symposium: Facilitating Critical Conversations in the Classroom (UNC-CH) |
| 2022        | Linked-in Learning: Diversity, Inclusion, and Belonging  |
| 2022        | Linked-in Learning: Confronting Bias: Thriving Across Our Differences                                |
| 2022        | Linked-in Learning: Diversity, Inclusion, and Belonging; Confronting Bias: Inclusive Leadership      |
| 2021        | Team advance: Mentoring climate (UNC-CH)   |

#### **TEACHING ACTIVITIES: COURSES & LECTURES**

\*does not include research-based courses

- |      |   |
|------|---|
| 2023 | Nutr 880, Elements of Being a Scientist. UNC-CH (15 class; 9 students).                 |
| 2023 | Nutr 885, Doctoral Seminar. UNC-CH (15 class; 8 students).                              |
| 2023 | Nutr 720, Thesis Seminar. UNC-CH (15 class; 19 students).                               |
| 2022 | Nutr 885, Doctoral Seminar. UNC-CH (15 class; 14 students).                             |
| 2022 | Nutr 696, Thesis Seminar. UNC-CH (15 class; 30 students).                               |
| 2021 | Nutr 885, Doctoral Seminar. UNC-CH (15 class; 14 students).                             |
| 2021 | Nutr 696, Thesis Seminar. UNC-CH (15 class; 30 students).                               |
| 2021 | AMST 175, Introduction to Food Studies (1 class; 125 students).                         |
| 2020 | Nutr 885, Doctoral Seminar. UNC-CH (15 class; 14 students).                             |
| 2020 | AMST 175, Introduction to Food Studies (1 class; 125 students).                         |
| 2020 | Nutr 662, Readings in Nutrition. UNC-CH (1 class; 15 students).                         |
| 2020 | Nutr 812, Introduction to Obesity: From Cell to Society. UNC-CH (1 class; 20 students). |
| 2019 | Nutr 885, Doctoral Seminar. UNC-CH (15 class; 16 students).                             |

2019	Nutr 885, Doctoral Seminar. UNC-CH (15 class; 8 students).
2018	Nutr 885, Doctoral Seminar. UNC-CH (15 class; 16 students).
2018	AMST 175, Introduction to Food Studies (1 class; 125 students).
2018	Nutr 812, Introduction to Obesity: From Cell to Society. UNC-CH (1 class; 16 students).
2017	Nutr 240, Introduction to Human Nutrition. UNC-CH (15 classes; 125 students).
2017	Nutr 880, Elements of Being a Scientist (1 class; 8 students).
2017	AMST 175, Introduction to Food Studies (1 class; 125 students).
2017	Director and Instructor, 5-day fMRI Statistical Workshop. (5 all-day class; 35 US & international attendees).
2016	Nutr 240, Introduction to Human Nutrition. UNC-CH (17 classes; 102 students).
2016	AMST 175, Introduction to Food Studies. UNC-CH (1 class; 125 students).
2016	School of Medicine, Endocrine Block. UNC-CH (1 class; 30 students).
2016	Nutr 885-073, Doctoral Seminar. UNC-CH (1 classes; 12 students).
2016	Nutr 812, Introduction to Obesity: From Cell to Society. UNC-CH (1 class; 9 students).
2016	Psyc 751, Cognitive Research Seminar. UNC-CH (1 classes; 17 students).
2015	Nutr 240, Introduction to Human Nutrition. UNC-CH (1 class; 125 students).
2015	Nutr 803, Nutrition Intervention Advanced Research Seminar. UNC-CH (11 classes; 7 students).
2015	Nutr 801, Introduction to Advanced Nutrition Intervention and Policy Research Methods II. UNC-CH (11 classes; 7 students).
2015	Nutr 803, Advanced Nutrition Intervention and Policy Research Methods. UNC-CH (11 classes; 2 students).
2015	Nutr 802, Introduction to Advanced Nutrition Intervention and Policy Research Methods II. UNC-CH (11 classes; 2 students).
2014	Nutr 803, Advanced Nutrition Intervention and Policy Research Methods. UNC-CH (11 classes; 3 students).
2014	Nutr 801, Introduction to Advanced Nutrition Intervention and Policy Research Methods I. UNC-CH (11 classes; 2 students).
2007	FHND 357-006, Nutrition Health and Illness. University of Northern Colorado, Greeley CO. (1 class; 30 students).
2007	FN 350, Human Nutrition. Colorado State University, Fort Collins, CO. (1 class; 35 students).
2006	FN 686/486, Practicum-Nutrition, Colorado State University. (30 classes; 10 students).
2005	FN 686/486, Practicum-Nutrition, Colorado State University. (30 classes; 10 students).
2005	EXCC 145, Health and Wellness. Colorado State University, Fort Collins, CO. 2005 (1 class; 150 students).
2004	PH661, Theoretical Foundations of Health Promotion, San Diego State University. (3 classes; 25 students).

## TEACHING ACTIVITIES: MENTORSHIP

### i. Mentorship

#### Assistant Professor

2021 - current	Anna Kahkoska, MD, PhD
2018 - 2020	Grace Shearrer, PhD

#### Post-doctoral

2016 - 2018	Grace Shearrer, PhD
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Doctoral

2019 - current      Afroditi Papantoni PhD student in Nutrition, UNC-CH  
 2015 - 2020      Jennifer R. Sadler (Gilbert), PhD in Nutrition, UNC-CH

Masters of Science

2023 - current      Amanda Schmid, MS in Nutrition, UNC-CH

Masters of Public Health

\*does not include mentorship of online degrees

2017 - 2019      Eliza Mclean, MPH-RD student in Nutrition, UNC-CH  
 2016 - 2018      Melissa Rosenburg, MPH-RD student in Nutrition, UNC-CH  
 2015 - 2017      Viveca Taylor, MPH-RD student in Nutrition, UNC-CH  
 2015 - 2017      Erin O'Hare, MPH-RD student in Nutrition, UNC-CH  
 2014 - 2016      Pranish Kantak, MPH student in Nutrition, UNC-CH  
 2014 - 2016      Melissa Walter, MPH-RD student in Nutrition, UNC-CH

Undergraduate

2022 - 2023      Anna Feng, BSPH student in Nutrition, UNC-CH  
 2021 - 2023      Kirti Patel, BSPH student in Nutrition, UNC-CH  
 2021 - 2022      Angelina Su, BS Neuroscience, UNC-CH  
 2020 - 2022      Elena Wilson, BSPH student in Nutrition, UNC-CH  
 2019 - 2021      Avery Spangler, BSPH student in Nutrition, UNC-CH  
 2019 - 2021      Cheyanne Bierly, BSPH student in Nutrition, UNC-CH  
 2019 - 2022      Kaki McNeel, BSPH student in Nutrition, UNC-CH  
 2020 - 2020      Joshua Lopez, BS student in psychology, UNC-CH  
 2018 - 2020      Ryesa Massor, BSPH student in Nutrition, UNC-CH  
 2018 - 2020      Peter Dinh, BSPH student in Nutrition, UNC-CH  
 2017 - 2019      Megan Neff, BSPH student in Nutrition, UNC-CH  
 2017 - 2019      Lia Burnt, BSPH student in Nutrition, UNC-CH  
 2016 - 2018      Lily Jones, BSPH student in Nutrition, UNC-CH  
 2016 - 2017      Natalie Miles, BS student in Communication, UNC-CH  
 2015 - 2017      Abigail Fisher, BSPH student in Nutrition, UNC-CH  
 2015 - 2016      Alyssa Luck, BSPH student in Nutrition, UNC-CH  
 2015 - 2016      Benjamin Smart, BSPH student in Nutrition, UNC-CH  
 2014 - 2016      Andrew Thompson, BSPH student in Nutrition, UNC-CH  
 2014 - 2016      Shelley Warner, BSPH student in Nutrition, UNC-CH

High School Volunteers

2017 - 2017      Bella Larsen

Mentee awards

2022      Kitri Patel, NORC Student Research Winner, UNC-CH NORC  
 2017      Grace Shearrer, Ethan Sims finalist, The Obesity Society  
 2017      Jennifer Sadler, Honorable Mention, National Science Foundation  
 2017      Abby Fisher, Top 10 in highest cumulative GPA scholar athlete, UNC-CH  
 2017      Lily Jones, Gillings School of Public Health Research Award, UNC-CH  
 2015 - 2020      Jennifer Sadler, Caroline H. & Thomas S. Royster Fellowship, UNC-CH

**ii. Doctoral mentor committee membership**

## \*International service

Doctoral committee service

2021 - 2022	*Hanne Pedersen, PhD Candidate in Psychology and Health Sciences, University Southern Denmark.
2020 - 2021	*Siren Oren, PhD Candidate in Neuroscience, Tel Aviv University.
2017 - 2018	*Selin Neseliler, PhD candidate in Neurology & Neurosurgery and Psychology, McGill University/Montreal Neurological Institute, Montreal, Canada.
2016 - 2019	Anna Kahkoska, PhD/MD candidate in Nutrition, UNC-CH.
2015 - 2017	Gina Tripicchio, PhD candidate in Nutrition, UNC-CH.
2014 - 2016	Samantha Winter, PhD in Applied Cognitive and Brain Sciences, Drexel University.
2013 - 2016	Emily Fieg, PhD in Clinical Psychology, Drexel University.

Masters committee service

2022 - 2023	Thanh Tran, MS student in nutrition, UNC-CH
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**GRANTS****i. Grants under review**

NIH R01	PI: Stice	7th %tile
<i>Effects of Processed Foods on Brain Reward Circuitry and Food Cue Learning</i>		
<b>Role:</b> Co-Investigator (Total: \$3,560,824)		

**ii. Active grants**

NIH R34	PI: Slade	9/23 - 9/24
<i>PUFA metabolism for prevention and treatment of TMD pain: an interdisciplinary, translational approach.</i>		
<b>Role:</b> Co-Investigator (Total: \$314,704)		
NIH R01	PI: Burger	7/23 - 6/28
<i>Relation of individual differences in fMRI-Assessed Satiation Signaling to Obesity Risk and Future Weight Gain.</i>		
A repeated measures study to examine obesity risk, body fat gain, and the neural/behavioral responses to satiation.		
<b>Role:</b> PI (Total: \$2,353,855)		
NIH R01	PI: DiFeliceantonio	4/23-8/28
<i>The impact of physiological response to sugar on brain activity and behavior.</i>		
A repeated measures study to examine the interaction between the metabolism of sugars and neural response to conditioned stimuli.		
<b>Role:</b> Co-Investigator (Total: \$2,760,824)		
NIH UH3 DK128298-02	PI: Lowe	3/23-2/28
<i>Predicting Weight Regain Following Weight Loss Using Physiological Measures of Appetite and Energy Expenditure.</i>		
A repeated measures study to examine physiological measures of metabolism and appetite during weight loss will be used to predict individual differences in weight regain.		
<b>Role:</b> Co-Investigator (\$1,113,029)		

NIH NICHD 75N94020FD00001

PI: Burger

6/18-5/25

*Development of Eating Behaviors in Young Children*

A longitudinal examination of food reward sensitivity, attentional bias and eating habit formation in children from age 2 to age 5.

**Role:** PI (Total: \$3,197,861)

NIH R01 DK112317 PI: Burger 7/17-6/24

*Neurobehavioral plasticity to regular sugar-sweetened beverage intake: An fMRI experiment.*

A systematic test of the impact of repeated consumption of sugar sweetened beverages on brain processing of food stimuli, explicit hedonic evaluation and implicit behavior.

**Role:** PI (Total: \$3,666,657)

### iii. Completed grants

RDNN201704/4520562240 NIH Foundation/Nestec Ltd PI: Lin 3/17-2/20

*Baby Connectome Project – Enhanced.*

A repeated measures examination of the impact of nutrition and environment on brain development and connectivity in 3 months to 4 years of age.

**Role:** Co-Investigator (Total: \$2,865,790)

NIH DP3DK113358 PI: Mayer-Davis 5/17-4/20

*Efficacy of behavioral interventions to simultaneously optimize glycemic control and facilitate weight management among overweight young adults with T1D.*

**Role:** Co-Investigator (Total: \$1,911,815)

American Diabetes Association 1-17-JDF-031 PI: Burger 1/17-1/20

*Multimodal examination of bromocriptine on homeostatic and hedonic mechanisms of food intake in individuals at high risk for type 2 diabetes.*

**Role:** PI (Total: \$401,892)

NIH Admin Supplement to HHSN275201300015C PI: Burger 1/16-10/18

*Neural response to food stimuli during the postpartum period*

A longitudinal examination weight and weight change as it relates to neural and behavioral responses to palatable food receipt, appetizing food cues, food-based prediction error, as well as behavioral measures of food reinforcement and impulsivity in women at 6 months postpartum.

**Role:** PI (Total: \$311,191)

NIH HHSN275201300015C PI: Burger, Siega-Riz 10/13-10/18

*Diet, obesity and weight change in pregnancy*

A prospective study examining the role of food reward responsivity and food reinforcement value in dietary intake, and weight change during pregnancy through 1 year postpartum and infant outcomes.

**Role:** PI (Total: \$2,547,778)

Laura and John Arnold Foundation PI: Burger 4/17-5/17

*Introductory Workshop for Reproducible fMRI Analyses*

An analytic workshop designed to improve the replicability of functional neuroimaging analyses.

**Role:** Director (Total \$10,000)

Department of Nutrition Pilot & Feasibility Award PI: Burger 11/15-4/16

*Cross-species identification of neurocircuit biomarkers for therapeutic improvement of satiation signaling*

**Role:** PI (Total: \$20,000)

Nutrition Obesity Research Center Pilot & Feasibility Award PI: Burger 4/14-3/16

*Reward Region Plasticity to Regular Beverage Intake: An fMRI Experiment***Role:** PI (Total: \$38,000)

NIH R01 DK092468	PI: Stice	5/12-6/15
<i>An fMRI Test of the Dynamic Vulnerability Model of Obesity: Risk Factor Plasticity</i>		
<b>Role:</b> Co-Investigator (Total: \$3,550,044)		
NIH R01 HD071900	PI: Stice	8/12-6/15
<i>Effectiveness Trial of a Dissonance-Based Obesity Prevention Program</i>		
<b>Role:</b> Co-Investigator (Total: \$3,820,813)		
NIH R01 DK80760	PI: Stice	8/09-7/14
<i>Relation of Consummatory and Anticipatory Food Reward to Obesity</i>		
<b>Role:</b> Co-Investigator (Total: \$3,845,871)		
Junior Faculty Development Award, Vice Chancellor UNC-CH	PI: Burger	1/14-2/14
<b>Role:</b> PI (Total: \$7,500)		
Pilot & Feasibility Award, Lewis Center for Neuroimaging	PI: Burger	3/13-11/13
<i>Neural effects of a 7-week cognitive reappraisal training to prevention weight gain</i>		
A repeated measures fMRI examination of an 8-week behavioral intervention to reduce food craving and food reward-related brain response.		
<b>Role:</b> PI (Total: \$12,400)		
Bid & Proposal funds, Oregon Research Institute	PI: Burger	1/12-12/12
<i>The effects of repeated consumption of caffeinated sugar-sweetened beverages on brain responsivity.</i>		
A systematic test of the impact of repeated consumption of sugar sweetened beverages on brain processing of food stimuli, explicit hedonic evaluation and implicit behavior.		
<b>Role:</b> PI (Total: \$7,000)		
Internal pilot funding, San Diego State University	MPI: Coleman/Burger	1/03-8/03
<i>Characteristics of self-served portion size in young adults.</i>		
<b>Role:</b> MPI (Total: \$1,500)		
<b>iv. Funded mentee proposals</b>		
American Diabetes Association 1-17-JDF-031	PI: Shearrer	1/23-1/25
<i>Mobile regulation of craving training (mROC-T) to improve dietary intake in rural adolescent girls.</i>		
<b>Role:</b> Mentor (Total: \$414,000)		
Nutrition Obesity Research Center Pilot & Feasibility Award	PI: Shearrer	4/19-1/20
<i>Reward Region Plasticity to Regular Beverage Intake: An fMRI Experiment</i>		
<b>Role:</b> Mentor (Total: \$38,000)		
American Psychological Foundation Visionary Grant	PI: Sadler	1/18-1/20
<i>Understanding obesity through brain response to positive and negative food reinforcement</i>		
<b>Role:</b> Mentor (Total: \$40,000)		
NC TraCS Institute	PI: Kahkoska	10/16-9/17
<i>Cognitive, Behavioral, and Biological Drivers of Weight Gain in Youth with T1D.</i>		
<b>Role:</b> Co-Mentor (Total: \$2,000)		

**PROFESSIONAL SERVICE**

\*Leadership role

## **i. University Service**

### Departmental, School, and University Committee Service

2023 - current	Gillings School of Global Public Health Research Council
2023 - current	Gillings School of Global Public Health Conflict of Interest Committee
2023 - current	Department of Nutrition Doctoral Committee
2020 - current	University of North Carolina Copyright Committee
2020 - 2021	Department of Nutrition 75 <sup>th</sup> Anniversary Seminar Series Organizing Committee
2018 - current	*Department of Nutrition Annual Interdisciplinary Nutrition Sciences Symposium Planning Committee (*Chair 2023-2024)
2018 - 2021	School of Public Health Academic Program Committee
2018 - 2020	Department of Nutrition Curriculum Committee
2017 - current	*Department of Nutrition Advancement Committee (*Chair 2022-2023, Co-Chair 2021)
2017 - 2020	Department of Nutrition Development Committee (member, UNC-CH)
2017 - 2018	Department of Nutrition Doctoral Comprehensive Exam Committee
2014 - 2017	Department of Nutrition Intervention and Policy Doctoral Comprehensive Exam Committee
2014 - 2020	Department of Nutrition Retreat Organizing Committee
2013 - 2020	Faculty Information Technology Advisory Committee
2013 - 2018	Department of Nutrition Research Retreat Organizing Committee
2013 - 2017	Masters in Public Health Comprehensive Exam Committee
2013 - 2016	Department of Nutrition 'dual degree' Curriculum Evaluation Committee
2013 - 2016	Masters in Public Health Degree Committee

### Faculty/Administrative Search Committees

2022 - 2023	Department of Nutrition Department Chair Search Committee
2022 - 2023	Department of Nutrition Faculty Search Committee
2018	Department of Nutrition Department Chair Reappointment Committee
2013 - 2014	Energy Metabolism Tenure Track Faculty Search Committee
2013 - 2014	Director of Departmental Finance and Administration Search Committee

### UNC-CH center memberships and training grants

2014 - current	Member, Nutrition Obesity Research Center
2014 - current	Member, Nutrition Department Training Grant
2013 - current	Faculty, Biomedical Imaging Research Center
2013 - current	Member, Center of Excellence for Eating Disorders Training Grant

## **ii. National Service**

### Grant reviewer

2019 - current	NIDDK DDK-B, Diabetes, Endocrinology and Metabolic Diseases Subcommittee, NIH Study Section (ad hoc reviewer)
2019	ZRG-1, PSE Chronic Diseases and Epidemiology, NIH Study Section (ad hoc reviewer)
2018	McGill-Healthy Brains for Healthy Lives, McGill University
2016 - current	Ad Hoc grant reviewer, UNC-CH Nutrition Obesity Research Center
2016	Ad Hoc grant reviewer, The Obesity Society
2015	Ad Hoc grant reviewer, Yale-NUS
2014	Ad Hoc grant reviewer, Boston Nutrition Obesity Research Center
2012	Ad Hoc grant reviewer, Israel Science Foundation

2012 Ad Hoc grant reviewer, Vienna Science and Technology Fund

Academic program review

2020 University at Buffalo, Nutritional Science BS Accreditation proposal:  
External Reviewer

Standing committees held in professional societies

2023 - current Society for the Study of Ingestive Behavior: Board Member  
 2023 - current \*The Obesity Society: Membership Committee Member (\*Co-chair 2023)  
 2018 Big Data/Little Brains FLUX conference: Program Committee  
 2016 - current \*Society for the Study of Ingestive Behavior: Program Committee (\*Chair  
 2022-2023, Behavioral Track)  
 2015 - 2017 \*The Obesity Society: Program Committee (Co-chair 2017, Neuroscience  
 track)

Service for professional societies

2023 Judge: Harry R. Kissilef Award Judge: Annual Meeting of the Society for  
 the Study of Ingestive Behavior (Portland, OR)  
 2022 Session chair: Keynote: Key Lecturer Mark Andermann: Neural  
 Estimation of Current and Future Bodily States- ObesityWeek  
 2021 Session chair: TOS/SSIB Joint Symposium: Mind Your Ps and (Food)  
 Cues - The Neurobiology of Food Cue Responses. ObesityWeek  
 2019 Session chair: Taste Great, Less Filling: Role for the Gustatory System in  
 Ingestive Behavior and Obesity. ObesityWeek  
 2019 Poster Judge: Annual Meeting of the Society for the Study of Ingestive  
 Behavior (Bonita Springs, FL)  
 2018 Judge: Gerard P Smith, Harry R. Kissilef, and Bartness Award(s) Annual  
 Meeting of the Society for the Study of Ingestive Behavior (Bonita  
 Springs, FL)  
 2018 Judge: Harry R. Kissilef Award Judge: Annual Meeting of the Society for  
 the Study of Ingestive Behavior (Bonita Springs, FL)  
 2018 Poster Judge: Annual Meeting of the Society for the Study of Ingestive  
 Behavior (Bonita Springs, FL)  
 2018 Session Chair: Annual Meeting of the Society for the Study of Ingestive  
 Behavior (Bonita Springs, FL)  
 2018 American Diabetes Association Annual Meeting: (Donor) 'Meet the  
 professor'  
 2017 - current American Diabetes Association: Abstract reviewer  
 2017 - current Society for the Study of Ingestive Behavior: Abstract reviewer  
 2016 Early-Career Grant Challenge Finalist Judge: ObesityWeek (New  
 Orleans, LA)  
 2016 Session Chair: Annual Meeting of The Obesity Society (New Orleans, LA)  
 2016 - current The Obesity Society: ObesityWeek abstract reviewer  
 2016 Session Chair: Annual Meeting of the Society for the Study of Ingestive  
 Behavior (Porto, Portugal)  
 2016 Poster Judge: Annual Meeting of the Society for the Study of Ingestive  
 Behavior (Porto, Portugal)

Additional scientific service



2017, 2020	Introductory Workshop for Reproducible fMRI Analyses (Director; Chapel Hill, NC)
2017 - 2021	Open Nutrition Science Initiative: Director
2017 - 2020	NutriXiv (Nutrition-focused preprint repository): Director

#### Professional memberships

2016 - current	Human Brain Mapping
2015 - current	American Diabetes Association
2007 - current	Society for the Study of Ingestive Behavior
2007 - current	American Society of Nutrition
2006 - current	The Obesity Society
2004 - 2014	Academy of Nutrition and Dietetics
2003 - 2005	American Public Health Association

#### Editorial Service

2020 - 2023	<i>Physiology and Behavior</i> (special issue guest editor)
2021 - 2022	<i>Appetite</i> (special issue guest editor)
2020 - 2022	<i>Nutrients</i> (editorial board)
2015 - 2018	<i>Frontiers in Neuroenergetics</i> (editorial board)
2014 - 2018	<i>Nutrition and Brain Health</i> (editorial board)

#### Ad hoc manuscript reviewer (selected; alphabetical order)

*American Journal of Clinical Nutrition, British Journal of Nutrition, Cell Metabolism, Cell Reports, Cell, International Journal of Obesity, Frontiers in Human Neuroscience, Journal of American Medical Association (JAMA), Journal of the Academy of Nutrition and Dietetics/Journal of the American Dietetic Association, Journal of Applied Developmental Psychology, Journal of Neuroscience, Journal of Nutrition Education and Behavior, Molecular Psychiatry, NeuroImage, Neuropsychopharmacology, Obesity, Proceedings of the National Academy of Sciences (PNAS), Obesity, PLoS One, Public Health Nutrition, Physiology & Behavior.*

#### Grant consultations

2017	Biological Risk Factors for Onset of Binge Eating and Compensatory Behaviors. PI: Eric Stice, Oregon Research Institute.
2016	Neurobiological and Behavioral Risk Mechanisms of Youth Avoidant/Restrictive Eating Trajectories. PI: Jennifer Thomas, Harvard Medical School.
2014	Reducing craving for cancer-promoting foods via cognitive self-regulation. PI: Elliot Berkman, University of Oregon.
2013	Sugar Sweetened Beverages: Impact on Reward, Satiety, and Metabolism in Children. PI: Jaimie Davis, University of Texas at Austin.

### **iii. Faculty Engagement**

#### **\*Special Significance**

12/2017	Starter Workshop for Reproducible fMRI Analyses
7/2017	2 day in-person interview with Matt Richtel of the New York Times regarding impact of sugar on health
6/2017	UNC-CH Innovation in Storytelling Workshop, Department Chair Nominated (Chapel Hill, NC)
5/2017	UNC-CH Chancellor's Faculty Entrepreneurship Workshop, Dean Nominated (Chapel Hill, NC)

\*Top presentation

4/2016 The Pennsylvania State University Professional Development Series, Department of Nutritional Sciences and Food Science (State College, PA)

1/2017 Faculty dinner with the Chancellor, Dean Nominated UNC-CH (Chapel Hill, NC)

10/2016 UNC-CH Eating Disorders meeting of intake regulation, Department of Psychiatry (Chapel Hill, NC)

1/2016 UNC-CH Cognitive Neuroscience Brown Bag and Professional Development Series, Department of Psychology & Neuroscience (Chapel Hill, NC)

10/2015 UNC-CH Chancellor's Innovation Summit, Department of Nutrition representative (Chapel Hill, NC)

10/2015 UNC-CH Department of Nutrition, Graduate school review, junior faculty representative (Chapel Hill, NC)

9/2015 Carolina Scientific, print interview (NC)

8/2015 UNC-CH Obesity Journal Club, community presentation (Chapel Hill, NC)

10/2014 UNC-CH Department of Nutrition Alumni Association, community presentation (Durham, NC)

10/2014 Research and Innovation Solutions, Researchers' Lunch with the Dean series, oral presentation (Chapel Hill, NC)

4/2014 *Appetite for Life* Series, community presentation (Kannapolis, NC)

2/2014 News & Observer, print interview, (NC)

7/2013 Men's Health, print interview, (National press)

7/2013 Women's Health, print interview, (National press)

12/2012 Spiegel TV broadcast special (International press, Germany)

5/2012 Center for Science in the Public Interest, print interview (National press)

3/2012 The New York Times, study coverage (National press)

3/2012 The Wall Street Journal, study coverage (National press)

3/2012 The Daily Telegraph, print interview (International press, United Kingdom)

3/2012 Herald Sun, print interview (International press, Australia)

3/2012 British Broadcast Company, broadcast interview (International press, United Kingdom)

3/2012 Canadian Broadcasting Corporation, broadcast interview (International press, Canada)

3/2012 Broadcasting United Academics, broadcast interview (International press, UK)

3/2012 The Tim Constantine Show, broadcast interview (National press)

2/2012 MSNBC, print interview (National press)

2/2012 CBS news, print interview (National press)

\*National Top Health Story

2/2012 Reuters Health, print interview (National press)

3/2006 Colorado State University Women's Conference (Fort Collins, CO)

6/2005 American Cancer Society volunteer (Julian, CA)