

Kathleen L. Keller, Ph.D.

CURRICULUM VITAE

OFFICE ADDRESS

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EDUCATION

University: Marquette University, 1991-1995
Degree: Bachelor of Science received May 1995
Major: Biology
Minor: English

University: Rutgers University, 1996-2001
Degree: Ph.D. completed November 2001, Degree received May 2002
Specialization: Nutritional Sciences
Thesis Title: *Genetic Sensitivity to 6-n-propylthiuracil (PROP):
Associations with Food Acceptance, Reported Intake, and
Body Weight in Preschool Children*

ACADEMIC POSITIONS

2001-2004 National Institutes of Health T32 Post-Doctoral Fellowship;
New York Obesity Research Center
2004-2012 Research Associate, New York Nutrition Obesity Research Center
2007-2011 Assistant Professor, Columbia University College of
Physicians and Surgeons and Surgeons, Institute of Human Nutrition
2005-2010 Assistant Adjunct Professor, Brooklyn College
2012-pres. Assistant Professor, Pennsylvania State University Department of Nutritional Sciences
and Department of Food Science

RESEARCH INTERESTS

Genetic taste influences on early development of food preference
Behavioral aspects of food intake and obesity in children
Development of food preferences in young children
Environmental and behavioral influences on obesity in children
Application of behavioral economic frameworks to childhood obesity prevention
Neural correlates of eating behavior in children

HONORS AND AWARDS

1996 Bunting-Cobb Graduate Fellowship for Women in Math and Science
1998 Association for Chemoreception Travel Award
2000 Society for the Study of Ingestive Behavior Young Investigator Award
2000 National Science Foundation K-12 Teaching Fellowship
2001 Gerber Foods Fellowship in Pediatric Nutrition
2001 Association for Chemoreception Travel Award
2001 National Institutes of Health Extramural Loan Repayment Grant in Pediatric Nutrition

HONORS AND AWARDS (continued)

- 2004 Invited Keynote speaker for Science Research Night at John F. Kennedy High School in Bellmore, NY
- 2007 Science Unbound Foundation, Best Paper Award in Obesity Related Research
- 2010 NIH Funded Training Fellowship in Clinical Nutrition
- 2013 Mark T. Greenberg Early Career Professorship in Children's Health and Development
- 2014 Roy C. Buck Award in the College of Agricultural Sciences for the best research paper Published by a non-tenured faculty member in 2013
- 2014 Norman Kretchmer Memorial Award for a substantial body of research in nutrition and development – given by the American Society for Nutritional Sciences

PRESENTATIONS & PUBLICATIONS

Selected Abstracts and Presentations:

1. **Keller KL**, Nurse RJ, Steinmann L, Tepper BJ. Genetic sensitivity to 6-n-propylthiouracil (PROP) influences food preferences in preschool children. *Association for Chemoreception Sciences*. April 1999, Sarasota, FL.
2. **Keller KL**, Steinmann L, Nurse RJ, Tepper BJ. Genetic taste sensitivity to 6-n-propylthiouracil influences food preferences and reported intake in preschool children. *Society for the Study of Ingestive Behavior*. July 2000, Dublin, Ireland.
3. Pietrobelli A, **Keller KL**, Matz PE, Tato L, Heymsfeild SB, Faith MS. Relationship between ad libitum energy intake, body mass index, and waist circumference in preschool children. *Obesity Research*. Suppl 1;2002.
4. **Keller KL**, Tepper BJ. Genetic sensitivity to 6-n-propylthiouracil (PROP): Associations with reported food intake and body weight in preschool children. *Obesity Research*. Suppl 1;2002.
5. Heshka S, Faith MS, **Keller KL**, Pietrobelli A, Heo M. Relationship between mother-child feeding patterns and child growth: results from a population-based study. *Obesity Research*. 26(Suppl 1);2002.
6. Faith MS, **Keller KL**, Pietrobelli A, Daglyan V, Allison DB. Genetic and environmental influences on child energy intake. *Obesity Research*. 26(Suppl 1);2002.
7. **Keller KL**, Jozkowski K, Must S, Pietrobelli A, Faith MS. Caloric compensation ability in children: associations with fat intake during ad libitum eating. *Obesity Research*. 26(Suppl 1);2002.
8. **Keller KL**, Pietrobelli A, Johnson S, Faith MS. Do mothers feed their children similarly? Maternal feeding attitudes and styles and their associations with child BMI. *Obesity Research*. 12:A82;2004.
9. * Goldman SB, Faith MS, Heymsfield SB, **Keller KL**. Children's selection of sweet and high-fat foods is influenced by their inherited sensitivity to 6-n-propylthiouracil (PROP): Results from a twin study. *Obesity Research*. 12:A82;2004.
10. * **Keller KL**, Assur S, Faith MS, Torres M, Thornton J, Kissileff HR. Validation of an analog instrument for measuring fullness in preschool children. *Obesity Research*. 12:A85;2004.
11. Faith MS, Henderson M, Nahmias A, Rozin P, Kauer J, Dolan M, Berkowitz R, **Keller KL**, Pietrobelli A. Maternal feeding behaviors are associated with child demographics and energy intake: preliminary findings from an observational study. *Obesity Research*. 12:A97;2004.
12. Kissileff HR, **Keller KL**, Thornton JC, Faith M, Torres M, Weiss E, Lofink H. Preschool children's fullness ratings on a VA scale during meals. *British Feeding and Drinking Group Annual Meeting*. 2005.
13. * Reid AR, Faith MS, **Keller KL**. Ethnic variations in reported parental feeding strategies as measured by the Child Feeding Questionnaire. *Obesity*.15:A171;2007.
14. * **Keller KL**, Reid AR, Cassano H, Kissileff HR. Taste blindness to 6-n-propylthiouracil (PROP) is related to higher BMI z-score in children: report from an ethnically diverse population in New York City. *Obesity*.15:A107;2007.

15. * Breen CL, MacDougall MC, Tepper BJ, McLean J, May D, **Keller KL**. Decreased ability to discriminate differences in fat content of Italian salad dressings is associated with increased levels of obesity in healthy African-Americans. *Chemical Senses*. 33(8)S1;2008.
16. * McLean JD, May D, Tepper BJ, **Keller KL**. PROP taste insensitivity is associated with decreased ability to detect differences in fat contents of salad dressings in African-American men. *Chemical Senses*. 33(8)S1;2008.
17. * **Keller KL**, Forman J, MacDougall MC, Summe H, Halford JC. Food branding influences ad libitum intake differently in lean and overweight children. *Obesity*. 16:S1;2008.
18. * Sud S, Tamayo NC, Faith MS, **Keller KL**. Association between parental feeding styles and dietary energy density by children at a controlled laboratory buffet meal. *Obesity*. 16:S1;2008.
19. * Liang L, **Keller KL**. Decreased ability to discriminate differences in fat content is associated with greater reported fat preference and intake in African-American adults. *Obesity*. 17:S2;2009.
20. * Lee H, Faith MS, MacDougall M, Sud S, Tamayo NC, **Keller KL**. The association between pressuring children to eat and actual intake at ad libitum test-meals in 4-6 year-olds. *Obesity*. 17:S2;2009.
21. * Olsen AM, Meyermann K, **Keller KL**. How do manipulations in fat content of laboratory test-meals impact children's liking and consumption of these foods? *Obesity*. 18:S2;2010.
22. * Yoon J, Deutsch BJ, **Keller K**. Can fast food brand logos be used to improve children's dietary choices? pilot study findings. *Obesity*. 19:S1;2011.
23. * **Keller KL**, Forman J, Lee NM, Kuilema LG, Halford JCG. Use of licensed spokes characters to increase intake of fruits and vegetables as part of a childhood obesity prevention program: pilot study results. *Obesity*. 19:S1;2011.
24. * Deutsch BJ, Yoon J, **Keller K**. Use of a stroop task to test whether overweight children have a cognitive bias toward food brands. *Obesity*. 19:S1;2011.
25. * Kuilema L, **Keller KL**. Do children really eat what they like? Results from a laboratory feeding study in 4-6 year-olds. *The Obesity Society, 2012*.
26. * Olsen A, Kuilema L, **Keller KL**. Children's *ad libitum* intake of high-fat foods and body composition predict level of parental weight concern. *The Obesity Society, 2012*
27. * Stein WM, English LK, Fearnbach SN, Cravener TL, **Keller KL**. Impact of prenatal maternal diet on children's' liking and intake of vegetables at 4-6 years. *Obesity Week, 2013*.
28. * Fearnbach SN, English LK, Stein WM, Cravener TL, **Keller KL**. Intake at a single, palatable buffet test-meal is associated with body composition in 4-6 year-old children. *Obesity Week, 2013*.
29. * English LK, Fearnbach SN, Stein WM, Chandler-Laney PC, Cravener T, **Keller KL**. Say it isn't soda? Maternal sugar sweetened beverage intake during pregnancy is positively related to children's BMI z-score at 4-6 years-old. *Obesity Week, 2013*.
30. * **Keller KL**, Bloom R, Cravener T, Meyermann K, van Belle C, Olsen A. How sweet it is? Taste genetics influence children's intake of sweet versus savory foods at an *ad libitum* buffet. *Obesity Week, 2013*.
31. Kling SM, **Keller KL**, Roe LS, Rolls BJ. Energy density and portion size combine to influence preschool children's intake of commonly consumed foods. *Obesity Week, 2013*.
32. Trippichio G, **Keller KL**, Johnson C, Pietrobelli A, Heo M, Faith MS. Mom feeds us differently: differential restrictive feeding is associated with differential BMI and self-regulatory eating among twins. *Obesity Week, 2013*.
33. * Cravener TL, Loeb KL, Radnitz C, Schwartz M, Zucker N, Finkelstein S, Wang YC, Rolls BJ, **Keller KL**. Feeding strategies derived from behavioral economics can increase vegetable intake in children as part of a home-based intervention. *Experimental Biology*. San Diego, CA. 2014.
34. Rollins BY, Stein WM, **Keller KL**. "Kids will drink green smoothies!" Children's willingness to try, liking, and intake of smoothies containing fruits and dark leafy greens (DLGs) in a preschool setting. *Obesity Week*. Boston, MA, 2014.

35. Rolls BJ, Williams JS, **Keller KL**, Jensen GL. The Pennsylvania State University Childhood Prevention Graduate Training Transdisciplinary Program. *The Society for the Study of Nutrition Education and Behavior*. Milwaukee, WI, 2014.
36. Loeb KL, Radnitz C, **Keller KL**, Schwartz M, Boutelle K, Marcus S. Prevention of late adolescent obesity in the college environment. *The Society for the Study of Nutrition Education and Behavior*. Milwaukee, WI, 2014.
37. Loeb KL, Radnitz C, **Keller KL**, Schwartz M, Boutelle K, Marcus S. Prevention of late adolescent obesity in the college environment: an optimal defaults paradigm. *International Conference on Eating Disorders*. New York, NY, 2014.
38. * Shehan CV, Schlechter HA, Cravener TL, Hayes JE, **Keller KL**. Parents' reported food preparation time is inversely associated with energy density of children's ad libitum meals in the laboratory. *Society for the Study of Ingestive Behavior*. Seattle, WA, 2014.
39. * Adise S, Bloom R, **Keller KL**. PROP status may predict liking of higher fat foods in children. *Society for the Study of Ingestive Behavior*. Seattle, WA, 2014.
40. * English LK, Fearnbach SN, Harris S, Fisher JO, Savage JS, Rolls BJ, **Keller KL**. Child energy intake and fullness in response to portion size manipulations. *Society for the Study of Ingestive Behavior*. Seattle, WA, 2014.
41. * Stein WM, **Keller KL**. Evaluation of the theory of externality in 7-9 year-old children at two ad libitum test-meals. *Society for the Study of Ingestive Behavior*. Seattle, WA, 2014.
42. * Adise S, Close AC, Bloom R, **Keller KL**. Variation at a common polymorphisms in the *CD36* gene is associated with liking of low-fat dairy and parental perception of child weight. *Society for the Study of Ingestive Behavior*. Denver, CO, 2015.
43. * Fearnbach SN, English L, Schlechter H, Thivel D, Fisher J, Williams JS, Rolls BJ, **Keller KL**. Child fat-free mass predicts energy intake independent of the response to increasing portion size. International Society of Behavioral Nutrition and Physical Activity, Edinburgh, Scotland, 2015.
44. * Fearnbach SN, English L, Wilson SJ, Williams JS, Rolls BJ, **Keller KL**. Neural response to images of food varying in energy density is associated with body composition in children. *Society for the Study of Ingestive Behavior*. Denver, CO, 2015.
45. Kling SM, **Keller KL**, Roe L, Rolls BJ. Does serving larger portions of all items at a meal affect preschool children's vegetable intake? *Society for the Study of Ingestive Behavior*. Denver, CO, 2015.
46. * English LK, Fearnbach SN, Wilson SJ, Fisher JO, Rolls BJ, **Keller KL**. Children's neural response to food images that vary in portion size. *Society for the Study of Ingestive Behavior*. Denver, CO, 2015.
47. * English LK, Fearnbach SN, Lasschuijt M, Wilson SJ, Fisher JO, Williams JS, Rolls BJ, **Keller KL**. Appetitive traits are associated with the neural response to food portion size in children. *Obesity Week*, Los Angeles, CA, 2015.
48. * Schlechter H, Shehan CV, **Keller KL**. Maternal nutrition knowledge is inversely related to both maternal and child weight status. *Obesity Week*, Los Angeles, CA, 2015.
49. Masterson TD, Kirwan CB, Davidson LE, **Keller KL**, Fearnbach SN, Evans A, LeCheminant JD. Neural responses to pictures of food after exercise in children. *American College of Sports Medicine Annual Meeting*, Boston, MA. 2016.
50. Fearnbach SN, Schlechter HA, Downs D, Thivel D, **Keller KL**. Individual differences in post-exercise ad libitum intake in children. *American College of Sports Medicine Annual Meeting*, Boston, MA. 2016.
51. * Brian EJ, English LK, Fearnbach SN, Lasschuijt M, Wilson SJ, Fisher JO, Rolls BJ, **Keller KL**. Sex differences in children's brain response to food images varying in energy density and portion size. *Society for the Study of Ingestive Behavior*, Porto, Portugal. 2016.
52. * English LK, Fearnbach SN, Fisher JO, Tanofsky-Kraff M, Rolls BJ, **Keller KL**. Increased portion size susceptibility in children with loss of control eating. *Society for the Study of Ingestive Behavior*, Porto, Portugal. 2016.

53. Kling SM, Roe L, **Keller KL**, Rolls BJ. Do individual characteristics influence children's response to increases in portion size or energy density? *Society for the Study of Ingestive Behavior*, Porto, Portugal. 2016.
54. * Adise S, Caprio AM, Roberts NJ, White CN, **Keller KL**. Child weight status and performance on an inhibitory control task predict intake at a palatable buffet test meal. *Society for the Study of Ingestive Behavior*, Porto, Portugal. 2016.
55. Roberts NJ, Oravec Z, Adise S, **Keller KL**, Geier C. A hierarchical extension of the LATER model to examine differences in inhibitory control by development, reward type, and weight status. To be presented at *Flux Society Annual Meeting*, St. Louis, MO. 2016.
56. Dalrymple JC, Radnitz C, Loeb KL, **Keller KL**. Optimal defaults as a strategy to improve children's menu selections in full-service restaurants. To be presented at *Association for Behavioral and Cognitive Therapy Annual Meeting*, New York, NY. 2016.
57. Radnitz C, Loeb KL, **Keller KL**, Boutelle KN, Schwartz MB, Marcus S. Effect of healthy defaults on food selection and caloric intake in a college dining hall simulation study. To be presented at *Association for Behavioral and Cognitive Therapy Annual Meeting*, New York, NY. 2016.
58. * Adise S, Caprio AM, Roberts NJ, White CN, Geier CF, **Keller KL**. Differences in brain response to anticipation for food and money rewards predicts children's intake of savory foods served at a highly palatable buffet. To be presented at *Society for Neuroscience Annual Meeting*, San Diego, CA. 2016.
59. Smethers AD, Roe L, Sanchez CE, **Keller KL**, Rolls BJ. The portion size effect persists over 5 days in preschool children. To be presented at *Obesity Week*, New Orleans, LA. 2016.
60. Fearnbach SN, Schlechter HA, Masterson TD, Loken E, Downs D, Thivel D, **Keller KL**. Impact of imposed exercise on the energy density and macronutrient profile of children's ad libitum food intake. To be presented at *Obesity Week*, New Orleans, LA. 2016.
61. * Adise S, Caprio AM, Roberts NJ, White CN, Geier CF, **Keller KL**. Children's laboratory food intake is predicted by brain response to anticipation of food and money rewards. To be presented at *Obesity Week*, New Orleans, LA. 2016.
62. Smethers AD, Keller KL, Meehand C, Roe L, Sanchez CE, Rolls BJ. Can we identify children who are most responsive to large portions? *Obesity Week*, Washington D.C., 2017.
63. Roberts NJ, Adise S, Brittain V, **Keller KL**, Geier CF. Does reward type matter? Examining differences in reward types in healthy weight vs. overweight or obese adolescents. *Society for Neuroscience*, Washington, D.C., 2017.
64. Adise S, Geier CF, Roberts NJ, Caprio AM, Belko C, Reigh NA, White CN, **Keller KL**. Children's brains respond more to winning money than food, regardless of weight status. *Society for Neuroscience*, Washington, D.C., 2017.

Peer Reviewed Publications:

1. McClelland JW, Keenan DP, Lewis J, Foerster S, Sugerman S, Mara P, Wu S, Lee S, **Keller KL**, Hersey J, Lindquist C. Review of the evaluation tools used to assess the impact of nutrition education on dietary intake and quality, weight management practices, and physical activity of low-income audiences. *Journal of Nutrition Education*. 2001; 33(Suppl 1):S35-S38.
2. **Keller KL**, Steinmann L, Nurse RJ, Tepper BJ. Genetic taste sensitivity to 6-n-propylthiouracil influences food preferences and reported intake in preschool children. *Appetite*. 2002;38(1):3-12.
3. **Keller KL**, Pietrobelli A, Must S, Faith MS. Genetics of eating and its relation to obesity. *Current Atherosclerosis Reports*. 2002;4(3):176-82.
4. Faith MS, **Keller KL**, Matz P, Johnson SL, Lewis R, Jorge MA, Ridley C, Han H, Must S, Heo M, Pietrobelli A, Heymsfield SB, Allison DB. Project Grow2gether: a study on the genetic and environmental influences on child eating and obesity. *Twin Research*. 2002;5(5):473-5.
5. **Keller KL**, Pietrobelli A, Faith MS. Genetics of food intake and body composition: lessons from twin studies. *Acta Diabetologica*. 2002;40(1):95-100.

6. Faith MS, Heshka S, **Keller KL**, Sherry B, Matz PE, Pietrobelli A, Allison DB. Maternal-child feeding patterns and child body weight: Findings from a population-based sample. *Archives of Pediatric and Adolescent Medicine*. 2003;157(9):926-32.
7. St-Onge MP, **Keller KL**, Heymsfield SB. Changes in childhood food consumption patterns: a cause for concern in light of increasing body weights. *American Journal of Clinical Nutrition*. 2003;78(6):1068-73.
8. Faith MS, **Keller KL**. Genetic architecture of ingestive behavior in humans. *Nutrition*. 2003;20(1):127-33.
9. **Keller KL**, Tepper BJ. A possible role for taste sensitivity to 6-n-propylthiouracil (PROP) in dietary patterns and body weight differences in young children. *Obesity Research*. 2004;12:904-12.
10. Faith MS, **Keller KL**, Johnson SL, Pietrobelli A, Matz PE, Must S, Jorge MA, Cooperberg J, Heymsfield SB, Allison DB. Familial aggregation of energy intake. *American Journal of Clinical Nutrition*. 2004;79(5):844-50.
11. **Keller KL**, Pietrobelli A, Johnson SL, Faith MS. Maternal restriction of children's eating and encouragements to eat as part of the 'non-shared environment': a pilot study using the child feeding questionnaire. *International Journal of Obesity*. 2006;30(11):1670-5.
12. * **Keller KL**, Assur SA, Torres M, Lofink HE, Thornton JC, Faith MS, Kissileff HR. Potential of an analog scaling device for measuring fullness in children: development and preliminary testing. *Appetite*. 2006;47(2):233-43.
13. Minderico CS, Silva AM, **Keller K**, Branco TL, Martins SS, Palmeira AL, Barata JT, Carnero EA, Rocha PM, Teixeira PJ, Sardinha LB. Usefulness of different techniques for measuring body composition changes during weight loss in overweight and obese women. *British Journal of Nutrition*. 2007;26:1-10.
14. * **Keller KL**, Kirzner J, Pietrobelli A, St-Onge MP, Faith MS. Increased sweetened beverage intake is associated with reduced milk and calcium intake in 3-7 y. old children at multi-item laboratory lunches. *Journal of the American Dietetic Association*. 2009;109(3):497-501. NIHMS99821.
15. * Forman J, Halford JC, Summe H, MacDougall MC, **Keller KL**. Food branding influences ad libitum intake differently in children depending on weight status: results of a pilot study. *Appetite*. 2009;53:76-83.
16. Kelly B, Halford JC, Boyland EJ, Chapman K, Bautista-Castano I, Berg C, Caroli M, Cook B, Coutinho JG, Effertz T, Grammatikaki E, **Keller K**, Leung R, Manios Y, Monteiro R, Pedley C, Prell H, Raine K, Recine E, Serra-Majem L, Singh S, Summerbell C. Television food advertising to children: a global perspective. *American Journal of Public Health*. 2010;100:1730-6.
17. * **Keller KL**, Reid A, MacDougall MC, Cassano H, Song JL, Deng L, Lanzano P, Chung WK, Kissileff HR. Sex differences in the effects of inherited bitter thiourea sensitivity on body weight in 4-6 year-old children. *Obesity*. 2010;18(6):1194-1200.
18. * Sud S, Tamayo NC, Faith MS, **Keller KL**. Increased restrictive feeding practices are associated with reduced energy density in 4-6 year-old multi-ethnic children at *ad libitum* laboratory test meals. *Appetite*, 2010;55(2):201-7.
19. * Olsen AM, van Belle C, Meyermann K, **Keller KL**. Manipulating fat content of familiar foods at test-meals does not affect intake and liking of these foods among children. *Appetite*. 2011;57(3):573-77.
20. * Liang L, Sakimura-McLean J, May D, Breen C, Driggin E, Tepper BJ, Chung WK, **Keller KL**. Fat Discrimination: A phenotype with potential implications for studying fat intake behaviors and obesity. *Physiology & Behavior*. 2012;105(2):470-5.
21. * **Keller KL**, Liang L, Sakimura-McLean J, May D, van Belle C, Breen C, Driggin E, Tepper BJ, Lanzano P, Deng L, Chung WK. Common variants in the CD36 gene are associated with reported fat preferences and obesity in African-Americans. *Obesity*. 2012;20:1066-73
22. * Lee H, **Keller KL**. Children who are pressured-to-eat at home show "healthier" eating patterns in ad libitum laboratory meals where no pressure is administered. *Journal of the American Dietetic Association*. 112(2):271-5;2012.

23. Faith MS, Pietrobelli A, Heo M, Johnson SL, **Keller KL**, Heymsfield SB, Allison DB. A twin study of self-regulatory eating in early childhood: Estimates of genetic and environmental influence and measurement considerations. *International Journal of Obesity*. 2012;36(7):931-37.
24. * **Keller KL**. Genetic influences on oral fat perception and preference: Presented at the symposium "The taste for fat: new discoveries on the role of fat in sensory perception, metabolism, sensory pleasure and beyond" held at the Institute of Food Technologists 2011 Annual Meeting, New Orleans, LA, June 12th, 2011. *Journal of Food Science*. 2012;77(3):S143-47.
25. * **Keller KL**, Kuilema LG, Lee N, Yoon J, Mascaro B, Combes A-L, Deutsch B, Sorte K, Halford JCG. The impact of food branding on children's eating behavior and obesity: a presentation given at the Society for the Study of Ingestive Behavior Annual Meeting. *Physiology & Behavior*. 2012;106(3):379-86.
26. * Burd C, Senerat A, Chambers E, **Keller KL**. PROP taster status interacts with the built environment to influence children's food acceptance and body weight status. *Obesity*. 2013;21:786-94.
27. * **Keller KL**, Olsen AM, Kuilema LG, Meyermann K, van Belle C. Predictors of parental perceptions and concerns about child weight. *Appetite*. 2013;62:96-102.
28. Faith MS, Heo M, **Keller KL**, Pietrobelli A. Child food neophobia is heritable, associated with less compliant eating, and moderates familial resemblance for BMI. *Obesity*. 2013;21:150-55.
29. * **Keller KL**, Olsen A, Cravener TL, Bloom R, Chung WK, Deng L, Lanzano PC, & Meyermann K. Bitter taste phenotype and body weight influence children's selection of sweet vs. savory foods at a palatable test-meal. *Appetite*. 2014;77:115-23.
30. * **Keller KL**. The use of repeated exposure and associative conditioning to increase vegetable acceptance in children: explaining the variability across studies. *Journal of the Academy of Nutrition and Dietetics*. 2014;114:1169-73.
31. Trippichio GL, **Keller KL**, Johnson C, Pietrobelli A, Heo M, Faith MS. Differential maternal feeding practices, eating self-regulation, and adiposity in young twins. *Pediatrics*. 2014;134:doi.10.1542/peds.2013-3828d.
32. * **Keller KL**, Olsen A, Cravener TL, Bloom R, Chung WK, Deng L, Lanzano PC, Meyermann K. Bitter taste phenotype and body weight influence children's selection of sweet vs. savory foods at a palatable test-meal. *Appetite*. 2014;77:113-21.
33. * English LK, Lasschuijt M, **Keller KL**. Mechanisms of the portion size effect: What is known and where do we go from here? *Appetite*. 2015;88:39-49.
34. St-Onge MP, Buck C, **Keller KL**. Breakfast cereal and nutrition education on body mass index and diet quality in elementary school children: a pilot study. *International Journal of Nutrition*. 2015;1:1-7.
35. *Cravener TL, Schlechter H, Loeb K, Radnitz C, Schwartz M, Zucker NL, Finkelstein S, Wang YC, Rolls BJ. **Keller KL**. Feeding practices derived from behavioral economics and psychology can increase vegetable intake in children as part of a home based intervention: results of a pilot study. *Journal of the Academy of Nutrition and Dietetics*. 2015;115(11):1798-807.
36. *Fearnbach SN, Thivel D, Meyermann KA, **Keller KL**. Intake at a single, palatable buffet test meal is associated with total body fat and regional fat distribution in children. *Appetite*. 2015;92:233-9.
37. Fearnbach SN, Silvert L, **Keller KL**, Genin PM, Morio B, Pereira B, Duclos M, Boirie Y, Thivel D. Reduced neural response to food cues following exercise is accompanied by decreased energy intake in obese adolescents. *International Journal of Obesity*. 2016;40(1):77-83.
38. Kling SM, Roe LS, **Keller KL**, Rolls BJ. Double trouble: Portion size and energy density combine to increase preschool children's lunch intake. *Physiology & Behavior*. 2016;62:18-26.
39. * Fearnbach SN, English LK, Lasschuijt M, Wilson SJ, Savage JS, Fisher JO, Rolls BJ. **Keller KL**. Brain response to images of food varying in energy density is associated with body composition in 7- to 10-year-old children: Results of an exploratory study. *Physiol Behav*. 2016;162:3-9.

40. * **Keller KL**, Adise S. Variation in the ability to taste bitter thiourea compounds: implications for food acceptance, dietary intake, and obesity risk in children. *Annual Review of Nutrition*. 2016; 2016;36:157-82.
41. Donovan JD, **Keller KL**, Tepper BJ. A brief task to assess individual differences in fat discrimination. *Journal of Sensory Studies*; 2016;31:296-305.
42. * Jellenik RD, Myers TA, **Keller KL**. The impact of doll style of dress and familiarity on body dissatisfaction in 6-8 year-old girls. *Body Image*; 2016;18:78-85.
43. * English LK, Fearnbach SN, Lasschuijt M, Schlegel A, Anderson K, Harris S, Wilson SJ, Fisher JO, Savage JS, Rolls BJ, & **Keller KL**. Brain regions implicated in inhibitory control and appetite regulation are activated in response to food portion size and energy density in children. *International Journal of Obesity*. 2016;40:1515-22.
44. Fearnbach SN, Masterson TD, Schlechter H, Ross AJ, Rykaczewski MJ, Loken E, Downs D, Thivel D, **Keller KL**. Impact of imposed exercise on energy intake in children at risk for overweight. *Nutr J*. 2016;15:92-101.
45. Fearnbach SN, Masterson TD, Schlechter HA, Loken E, Downs D, Thivel D, **Keller KL**. Perceived exertion during exercise is associated with children's energy intake. *Medicine & Science in Sports & Exercise*. 2017;49:785-92.
46. * English LK, Fearnbach SN, Wilson SJ, Fisher JO, Williams JS, Rolls BJ, **Keller KL**. Food portion size and energy density evoke different patterns of brain activation in children. *Am J Clin Nutr*. 2017;105:295-305.
47. Kleinman R, Greer F, Cowart B, Hetherington M, Johnson SL, **Keller KL**, Klurfield D, Moshfegh AJ, Murray R, Welsh J, Coletta FA. Roundtable proceedings: the role of innate sweet taste perception in supporting a nutrient-dense diet for toddlers, 12-24 months old. *Nutrition Today*. 2017;52:S14-S24.
48. Johnson CM, Henderson MS, Tripicchio G, Rozin P, Heo M, Pietrobelli A, Berkowitz RI, **Keller KL**, Faith MS. Observed parent-child feeding dynamics in relation to child body mass index and adiposity. *Pediatr Obes*. In press.
49. Loeb KL, Radnitz C, **Keller KL**, Schwartz M, Zucker N, Marcus S, Pierson RN, Shannon M, DeLaurentis D. The application of optimal defaults to improve elementary school lunch selections: proof of concept. *J of School Health*. In press.
50. Huang Z, Huang S, Cong H, Li Z, Li J, **Keller KL**, Shearer GC, Kris-Etherton PM, Wu S, Gao X. Smell and taste dysfunction are associated with higher total cholesterol concentrations in Chinese adults. *J Nutr*. In press.
51. Masterson T, Kirwan B, Davidson LE, Larson MJ, **Keller KL**, Fearnbach SN, Evans A, LeCheminant JD. Brain reactivity to visual food stimuli after moderate-intensity exercise in children. *Brain Imaging & Behavior*. In press.
52. Fearnbach SN, Silvert L, Pereira B, Boirie Y, Duclos M, **Keller KL**, Thivel D. Reduced neural responses to food cues might contribute to the anorexigenic effect of acute exercise observed in obese but not lean adolescents. *Nutr Res*. In press.

* Denotes senior author publications where Dr. Keller played a significant role in study design, manuscript preparation, and mentoring student authors.

BOOK CHAPTERS

1. Tepper BJ, **Keller KL**, Ullrich NV. Genetic taste markers and preferences for bitter and pungent foods: In: Hoffman T, Pickenhagen W, Ho CT (Eds.), *Taste Research—Chemical and Physiological Aspects*. American Chemical Society Symposium Series. 2003.
2. **Keller KL**, Ridley C, Pietrobelli A, Faith MS. Human eating behavior and obesity: laboratory phenotypes for genetic studies. In: Mediros NG, Halpern A, Bouchard C (Eds). *Progress in Obesity Research*: East Leigh, UK. Libbey & Co., Ltd. 2003.

3. **Keller KL.** Flavor: taste and smell. In KL Keller (Ed.), *Encyclopedia of Obesity*. New York City: Sage Publication. 2008.
4. **Keller KL.** Food Preferences. In KL Keller (Ed.), *Encyclopedia of Obesity*. New York City: Sage Publication. 2008.
5. **Keller KL, Cassano H.** Genetic taste factors. In KL Keller (Ed.), *Encyclopedia of Obesity*. New York City: Sage Publication. 2008.
6. St-Onge MP, **Keller KL.** Nutrition in adolescence. In: Shils ME, Shike M, Ross AC, et al. (Eds.), *Modern Nutrition in Health and Disease, 11th edition*. 2013.
7. **Keller KL, Kral TVE, Rolls BJ.** Impact of energy density and portion size on satiation and satiety. In *Satiation, Satiety, and the Control of Food Intake*. Woodhead Publishing, 2013.
8. Rolls BJ, Williams R, & **Keller KL.** The role of dietary energy density in weight management. In. *Managing and Preventing Obesity: Behavioural Factors and Dietary Interventions*. Woodhead Publishing, 2014.
9. Stein WM, **Keller KL.** The modern food environment: changes in quality and quantity and their impact on hedonic eating. In. *Hedonic Eating: How the Pleasurable Aspects of Food Can Affect Appetite*. Oxford University Press, 2015.
10. **Keller KL, Kral TV, Fisher JO.** Portion size and obesogenic eating landscape. In: Goran M, *Childhood Obesity*. In press.

BOOKS

Keller KL. *Encyclopedia of Obesity* (First ed.) New York City: Sage Publication. 2008.

ARTICLES IN NON-REFERRED PUBLICATIONS

Tepper BJ, Keller KL. Sensing fat: are genes that alter the perception of fat making us fat? *The Scientist Magazine*. 2012. <http://www.the-scientist.com/?articles.view/articleNo/31439/title/Sensing-Fat/>

TEACHING EXPERIENCE

Course: *Experimental Food Science*, Rutgers University, August 1997-January 1998
Level: Senior dietetic students
Responsibilities: Designed and instructed two weekly laboratories.

Course: *Community Nutrition*, Rutgers University, January 1998-May 1998
Level: Senior undergraduates and graduate students
Responsibilities: Delivered lectures and assisted professor in class design.

Course: *Clinical Nutrition and Disease*, Rutgers University, January 1998-May 1998
Level: Senior dietetic students
Responsibilities: Delivered lectures and assisted in grading course projects.

Course: *Nutrition Communication and Counseling*, Rutgers University, August 1999
Level: Senior Dietetic Students
Responsibilities: Instructed 3 weekly recitation sessions with 25 students enrolled in each section.

Course: *Advanced Nutrition, Biochemical and Physiological Basis*, Rutgers University, January 1999-May 1999
Level: Senior dietetic students
Responsibilities: Designed and taught a weekly graduate and undergraduate recitation in advanced nutrition.

Course: *Developmental Nutrition*, Brooklyn College, January 2005-May 2005

Level: Graduate students
Responsibilities: Designed and taught a weekly graduate course on maternal nutrition, pregnancy, lactation, infant/child feeding.

Course: *Sensory Evaluation Applied & Theory*, Rutgers University, Fall 2004-2011
Level: Short course to food industry professionals
Responsibilities: Developed yearly short course on sensory evaluation tests and techniques and instructed food scientists.

Course: *Nutrition and Behavior*, Brooklyn College, Fall 2006-January 2006
Level: Graduate students
Responsibilities: Developed syllabus and instructed 20 graduate nutrition students in eating disorders, the central nervous system, and other topics in the psychology of eating behavior and nutrition.

Course: *Recent Developments in Nutrition Research*, Brooklyn College
Summer 2007
Level: Graduate students
Responsibilities: Developed syllabus and instructed 20 graduate nutrition students in recent themes related to nutrition research.

Course: *Growth & Development*, Columbia University, Institute of Human Nutrition, Fall 2007 - present
Level: Graduate students
Responsibilities: Developed syllabus, invited speakers, and instructed 70-80 graduate nutrition students in nutrition across the lifespan.

Course: *Clinical Nutrition*, Columbia University, Institute of Human Nutrition, Spring 2008
Level: Graduate students
Responsibilities: Developed syllabus, invited speakers, and instructed 70-80 graduate nutrition students in clinical nutrition.

Course: *Overview of Foods and Nutrition*, Columbia University, Institute of Human Nutrition, Fall 2009 – Fall 2012
Level: Graduate students
Responsibilities: Developed a new graduate level course and instructed 80 graduate students on the environmental, biological, and sociopolitical influences on our food system with special emphasis on nutrition and health implications.

Course: *Nutrition Theory & Applied*, Rutgers University, Fall 2010-2013
Level: Short course to food industry professionals
Responsibilities: Developed a yearly short course for food industry professionals covering basic nutritional concepts, with particular emphasis on how nutrition labeling affects consumer's perception of foods.

Course: *Nutrition Seminar*, The Pennsylvania State University, Spring 2012-2014
Level: Senior undergraduate students
Responsibilities: Delivered lectures and individually counseled students on their research papers.

Course: *Physiology of Nutrition*, The Pennsylvania State University, Spring 2013-pres.
Level: Undergraduate students

- Responsibilities:** Delivered lectures and individually counseled students on physiological and metabolic pathways of basic nutrition.
- Course:** *Nutrition Seminar*, The Pennsylvania State University, Spring 2013 – pres.
Level: Graduate Students in Food Science
Responsibilities: Developed a 1 credit physiology of nutrition course for food science graduate students.
- Course:** *Nutrition Theory & Applied*, Food Science Short Course, Spring 2013 – pres.
Level: Short course to food science industry professionals
Responsibilities: Developed course materials in nutrition for a yearly short course taught through Pennsylvania State University's Cooperative Extension
- Course:** *Eating and Weight Disorders*, The Pennsylvania State University, Fall 2013 – pres.
Level: Graduate Students in Nutrition, Food Science, and Kinesiology
 Undergraduate Students in Nutrition
Responsibilities: Developed a new course on the etiology, treatment, and consequences of eating and weight disorders. Historical theories and current literature are discussed.
- Course:** *Adult Obesity: Causes, Consequences, and Treatment*, The Pennsylvania State University, Fall 2014 – pres.
Level: Graduate Students in Nutrition, Kinesiology and Human Development
Responsibilities: Co-taught a course on the causes, consequences, and management of obesity.
- Course:** *Lifecycle Nutrition*
 The Pennsylvania State University, Spring 2016
Level: Undergraduate Students in Nutrition
Responsibilities: Developed course syllabus, lectures, and assessments and delivered all course material.
- Course:** *Childhood Obesity*
 The Pennsylvania State University, Fall 2017
Level: Graduate Students in Nutrition and Human Development and Family Studies
Responsibilities: Developed course syllabus, lectures, activities, and assessments and delivered all course material.

PEER REVIEWER FOR THE FOLLOWING JOURNALS (out of 25 total)

Appetite
 International Journal of Obesity
 Obesity Research
 Journal of the American Medical Association
 American Journal of Clinical Nutrition
 Physiology and Behavior
 American Journal of Public Health
 Pediatrics
 PLOS One
 Public Health
 Journal of the American College of Nutrition

OTHER RELEVANT PROFESSIONAL SERVICE

- 1998-1999 Nutrition Education Curriculum Assistant – Rutgers University, New Brunswick, NJ
- 2003-2010 Columbia University Appetitive Seminar Rapporteur, Columbia University, New York, NY
- 2009-2011 Membership Committee, The Obesity Society
- 2013-2016 Editorial Board, International Journal of Obesity
- 2013-pres. Program Committee, Society for the Study of Ingestive Behavior
- 2013 – pres. American Society of Nutrition's representative on the Advisory Board of FASEB
- 2014 – pres. Co-Executive Editor for Appetite journal
- 2015 – pres. Editorial Board Member, International Journal for the Society of Behavioral Nutrition and Physical Activity

AD-HOC GRANT REVIEWER

- 2013 The Global Foundation for Peroxisomal Disorders grant reviewer
- 2013 The Dairy Research Institute grant reviewer
- 2016 Mid-Atlantic Nutrition Obesity Research Center pilot grant reviewer

PROFESSIONAL SOCIETY MEMBERSHIPS

- The Obesity Society
- Society for the Study of Ingestive Behavior
- American Society for Nutrition

STUDENTS MENTORED

- 2005 Jane Choi; Degree Earned: MS in Nutrition; Columbia University
- 2006 Heather Summe; Degree Earned: MS in Nutrition; Columbia University
- 2006 Hope Cassano; Degree Earned: MS in Nutrition; Columbia University
- 2006 Megan MacDougall; Degree Earned: MS in Psychology; New York University
- 2007 Johannah McClean-Sakimura; Degree Earned: MS in Nutrition; Columbia University
- 2007 Daniel May; Degree Earned: MS in Nutrition; Columbia University
- 2007 Nina Tamayo; Degree Earned: MS in Nutrition; Columbia University
- 2007 Cassandra Johnson; Degree Earned: MS in Nutrition; Columbia University
- 2007 Shama Sud; Degree Earned: MS in Nutrition; Columbia University
- 2007 Heewon Lee; Degree Earned: PhD in Behavioral Nutrition; Teacher's College, Columbia
- 2008 Phedra Penn; Degree Earned: MS in Nutrition; Columbia University
- 2008 John Chen; Degree Earned: MS in Nutrition; Columbia University
- 2008 Sehera Himani; Degree Earned: MS in Nutrition; Columbia University
- 2009 Karol Meyermann; Degree Earned: MS in Nutrition; Columbia University
- 2009 Christopher van Belle; Degree Earned: MS in Nutrition; Columbia University
- 2009 Carlye Burd; Degree Earned: MS in Nutrition; Columbia University
- 2009 Bryan Deutsch; Degree Earned: MS in Nutrition; Columbia University
- 2009 Annemarie Olsen; Degree Earned: PhD in Sensory Sciences; University of Copenhagen
- 2010 Laura Kuilema; Degree Earned: MS in Nutrition; Columbia University
- 2010 Norman Lee; Degree Earned: MS in Nutrition; Columbia University
- 2010 Joyce Yoon; Degree Earned: MS in Nutrition; Columbia University
- 2014 Catherine Shehan; Degree Earned: MS in Food Science, The Pennsylvania State University
- 2015 Wendy Stein; Degree Earned: MS in Nutritional Sciences, The Pennsylvania State University
- 2016 Laural Kelly; Degree Earned: PhD in Nutritional Sciences; The Pennsylvania State University
- 2016 S. Nicole Fearnbach; Degree Earned: PhD in Nutritional Sciences; The Pennsylvania State University
- 2017 Shana Adise, Degree Earned: PhD in Nutritional Sciences; The Pennsylvania State University
- 2017 Elizabeth M. Carney; Degree Earned: MS in Nutritional Sciences; The Pennsylvania State University

CURRENT GRADUATE STUDENTS

- 2015 Travis Masterson; PhD student in Nutritional Sciences, The Pennsylvania State University
2016 Julianna Fritts; MS student in Food Science, The Pennsylvania State University
2017 Nicole Reigh, PhD student in Nutritional Sciences, The Pennsylvania State University
2017 Bari Fuchs, PhD student in Nutritional Sciences, The Pennsylvania State University

FUNDING

1. In progress

- A. Name of project: Brain mechanisms of overeating in children
Principal Investigator: Kathleen L. Keller
Source of Funding: National Institutes of Health, National Institutes of Diabetes and Digestive and Kidney Disorders
Total Award Amount: \$2,778,991 Start Date: 01/05/17 End Date: 01/04/22
Candidate's Role: PI Percent Effort: 30%
Brief Description of Intellectual Contribution: The goal of this prospective study is to use neuroimaging to understand brain mechanisms of portion size and energy density in children and to use brain responses to predict the development of obesity.
- B. Name of project: Strategies to moderate energy intake for the prevention of obesity in children
Principal Investigator: Barbara J. Rolls
Source of Funding: National Institutes of Health, National Institutes of Diabetes and Digestive and Kidney Disorders
Total Award Amount: \$1,956,975 Start Date: 07/01/15 End Date: 06/30/20
Candidate's Role: Co-I Percent Effort: 10%
Brief Description of Intellectual Contribution: The goal of this project is test the effectiveness of laboratory-based strategies designed to lower energy density of the diet in children. The candidate is providing expertise on the development of test-meals and phenotyping of child eating behavior.
- C. Name of project: Childhood Obesity Prevention Training Program
Principal Investigator: Barbara J. Rolls
Source of Funding: National Institute of Food and Agriculture, United States Department of Agriculture
Total Award Amount: \$4,500,000 Start Date: 02/01/11 End Date: 01/31/17
Candidate's Role: co-PD Percent Effort: 20%
Brief Description of Intellectual Contribution: The goal of this project is to develop a sustainable training program for graduate students in the area of childhood obesity prevention. The candidate assumed the role of co-PD for educational advising and outreach.
- D. Name of project: Healthy Bodies Project: Modifying family and preschool environments to prevent obesity
Principal Investigator: Lori Francis and Rhonda BeLue
Source of Funding: National Institute of Food and Agriculture, United States Department of Agriculture
Total Award Amount: \$4,500,000 Start Date: 04/01/15 End Date: 03/31/20

Candidate's Role: co-I Percent Effort: 10%

Brief Description of Intellectual Contribution: The goal of this project is to test the effectiveness of self-regulation training, repeated exposure and tasting, parent education, and physical activity on childhood obesity prevention at Head Start. The candidate is supervising the development and administration of lessons designed to assess self-regulation in children.

- E. Name of project: Using herbs and spices to increase children's acceptance and intake of vegetables in school lunches

Principal Investigator: Kathleen Keller

Source of Funding: McCormick Science Institute

Total Award Amount: \$354,879 Start Date: 01/15 End Date: 01/18

Candidate's Role: PI Percent Effort: 20%

Brief Description of Intellectual Contribution: This project will work with local middle and high school food service authorities to teach them how to make vegetables taste better at schools by using herbs and spices. The candidate wrote the grant proposal and will manage all aspects of data collection, analysis, and presentation.

2. Completed

- F. Name of project: Test-retest reliability of neuroimaging paradigms to study children's eating behaviors

Principal Investigator: Kathleen Keller

Source of Funding: Social Science Research Institute

Total Award Amount: \$8,000 Start Date: 09/15 End Date: 09/17

Candidate's Role: PI Percent Effort: 5%

Brief Description of Intellectual Contribution: This project will determine the test-retest reliability for a neuroimaging paradigm designed to assess children's response to food images varied by portion size and energy density. The candidate wrote the grant proposal and will manage all aspects of data collection, analysis, and presentation.

- G. Name of project: Examining reward sensitivity, impulsivity, and habituation in healthy weight and overweight adolescents

Principal Investigator: Nicole Roberts (PhD student in Dr. Chuck Geier's lab)

Source of Funding: Childhood Obesity Prevention Training Program

Total Award Amount: \$14,805 Start Date: 07/14 End Date: 12/17

Candidate's Role: co-I Percent Effort: 3%

Brief Description of Intellectual Contribution: The goal of this project is to determine the relationship between decision-making and reward-related behaviors for food and money in adolescents. This was funded from a SEED grant mechanism by the Childhood Obesity Prevention Training Program. The project is intended to be directed by a graduate student under Dr. Keller and Dr. Chuck Geier's supervision.

- H. Name of project: A pilot study to test children's willingness to try, liking, and intake of foods with novel spice blends

Principal Investigator: Wendy Stein (PhD student in Dr. Keller's lab)

Source of Funding: Childhood Obesity Prevention Training Program

Total Award Amount: \$12,005 Start Date: 07/14 End Date: 12/16

Candidate's Role: co-I Percent Effort: 7%

Brief Description of Intellectual Contribution: The goal of this project is to test the impact of using herbs and spices to improve the flavor of vegetables in preschool children. This was funded from a SEED grant mechanism by the Childhood Obesity Prevention Training Program. The project is intended to be directed by a graduate student under Dr. Keller's supervision.

- I. Name of project: Understanding decision making and reward for food choice in overweight and healthy weight children

Principal Investigator: Shana Adise (PhD student in Dr. Keller's lab)

Source of Funding: Childhood Obesity Prevention Training Program

Total Award Amount: \$15,004 Start Date: 07/14 End Date: 07/16

Candidate's Role: co-I Percent Effort: 5%

Brief Description of Intellectual Contribution: The goal of this project is to determine the relationship between decision-making and reward-related behaviors for food and money in children. This was funded from a SEED grant mechanism by the Childhood Obesity Prevention Training Program. The project is intended to be directed by a graduate student under Dr. Keller's supervision.

- J. Name of project: Developing novel methodologies to teach children to eat in response to hunger and fullness

Principal Investigator: Kathleen Keller

Source of Funding: Clinical and Translational Science Institute

Total Award Amount: \$78,936 Start Date: 02/14 End Date: 09/16

Candidate's Role: PI Percent Effort: 5%

Brief Description of Intellectual Contribution: The goal of this project is to use virtual reality and behavioral teaching tools to develop effective methods to teach children how to eat in response to hunger and fullness cues. The candidate wrote the grant proposal and will manage all aspects of data collection, analysis, and presentation.

- K. Name of project: The impact of an acute bout of exercise on children's eating behaviors

Principal Investigator: S. Nicole Fearnbach (PhD student in Dr. Keller's lab)

Source of Funding: Childhood Obesity Prevention Training Program

Total Award Amount: \$14,923 Start Date: 07/14 End Date: 12/15

Candidate's Role: co-I Percent Effort: 5%

Brief Description of Intellectual Contribution: The goal of this project was to understand the impact of exercise on eating behavior in children. This was funded from a SEED grant mechanism by the Childhood Obesity Prevention Training Program. The project was directed by the candidate's doctoral student, Ms. Nicole Fearnbach, under the candidate's direct supervision.

- L. Name of project: Neural mechanisms underlying child responses to food energy density and portion size
Principal Investigator: Kathleen Keller
Source of Funding: Social Science Research Institute and Clinical and Translational Science Institute
Total Award Amount: \$20,000 Start Date: 03/01/13 End Date: 02/21/15
Candidate's Role: P I Percent Effort: 10%
Brief Description of Intellectual Contribution: The goal of this project was to determine neural and behavioral mechanisms involved with perceiving differences in food energy density and portion size. The candidate wrote the grant, designed the study, and supervised data collection.
- M. Name of project: Development of virtual reality simulation for childhood obesity prevention
Principal Investigator: Erika Poole
Source of Funding: Clinical and Translational Science Institute
Total Award Amount: \$60,000 Start Date: 03/15/13 End Date: 05/14/15
Candidate's Role: Co-I Percent Effort: 10%
Brief Description of Intellectual Contribution: The goal of this project was to co-design (with age-appropriate children), develop, and validate a virtual reality software for the prevention of obesity in children. The candidate assisted with grant preparation and study design.
- N. Name of project: Prevention of late adolescent obesity in the college environment: an optimal default paradigm
Principal Investigator: Katharine Loeb
Source of Funding: National Institute of Food and Agriculture, United States Department of Agriculture
Total Award Amount: \$150,000 Start Date: 01/01/13 End Date: 12/31/14
Candidate's Role: Consultant Percent Effort: 5%
Brief Description of Intellectual Contribution: The goal of this project was to test the effectiveness of using optimal defaults to improve the health quality of dietary choices in the college dining hall. The candidate assisted with grant preparation, study design, and manuscript preparation.
- O. Name of project: Strategies to moderate energy intake for the prevention of obesity in children
Principal Investigator: Barbara Rolls
Source of Funding: National Institutes of Health, National Institutes of Child Health and Disease
Total Award Amount: \$1,577,470 Start Date: 07/01/09 End Date: 06/30/14
Candidate's Role: Co-I Percent Effort: 5%
Brief Description of Intellectual Contribution: The goal of this project was to test the effectiveness of laboratory-based strategies designed to lower energy density of the diet in children. The candidate assisted with data analysis and development of follow-up grant applications.

- P. Name of project: Optimal defaults in the prevention of childhood obesity: a school-based study
Principal Investigator: Katharine Loeb
Source of Funding: Fairleigh Dickinson University Proposal SEED Grant
Total Award Amount: \$5,000 Start Date: 12/01/12 End Date: 06/30/13
Candidate's Role: Consultant Percent Effort: 5%
Brief Description of Intellectual Contribution: The goal of this project was to test the effectiveness of optimal defaults for improving children's dietary choices in the elementary school cafeteria. The candidate assisted with grant preparation, study design, and manuscript preparation.
- Q. Name of project: Optimal defaults and parent empowerment in the prevention of early childhood obesity: a community center based pilot study
Principal Investigator: Katharine Loeb
Source of Funding: National Institute of Food and Agriculture, United States Department of Agriculture
Total Award Amount: \$150,000 Start Date: 01/01/11 End Date: 12/31/13
Candidate's Role: Consultant Percent Effort: 10%
Brief Description of Intellectual Contribution: The goal of this project was to test the effectiveness of optimal defaults and parent education at improving children's dietary selections in a community-based setting. The candidate assisted with grant preparation, study design, and manuscript preparation.
- R. Name of project: Impact of breakfast, as part of a weight loss intervention, in obese, elementary school children
Principal Investigator: Marie-Pierre St-Onge
Source of Funding: Covidien and The Obesity Society
Total Award Amount: \$50,000 Start Date: 02/01/10 End Date: 01/31/12
Candidate's Role: Co-I Percent Effort: 5%
Brief Description of Intellectual Contribution: The goals of this project were to determine the effectiveness of breakfast intake as part of a weight loss intervention in obese, school-aged children. The candidate provided expertise in experimental design, manuscript preparation, and follow-up project submissions.
- S. Name of project: Use of food packaging and promotion to increase fruit and vegetable intake and prevent obesity in children
Principal Investigator: Kathleen L. Keller
Source of Funding: St. Luke's Roosevelt Hospital Pilot Grant Program
Total Award Amount: \$17,500 Start Date: 07/01/10 End Date: 06/30/11
Candidate's Role: PI Percent Effort: 10%
Brief Description of Intellectual Contribution: The goal of this project was to use child-targeted food packaging (e.g. cartoon characters) and promotion to increase children's fruit and vegetable intake and prevent obesity. The candidate wrote the grant proposal, designed the study, supervised data collection, analyzed data, and prepared follow-up grant submissions to NIH and USDA.

- T. Name of project: Mechanisms of positive energy balance in PROP nontasters
Principal Investigator: Kathleen L. Keller
Source of Funding: National Institutes of Health and National Institute of Diabetes and Digestive and Kidney Diseases
Total Award Amount: \$500,000 Start Date: 05/01/05 End Date: 12/01/10
Candidate's Role: PI Percent Effort: 75%
Brief Description of Intellectual Contribution: The goals of this training grant were to train the candidate in human phenotyping and candidate genotyping methodologies. In addition, the candidate was mentored by an inter-disciplinary team of scientists to conduct a research study to determine the influence of genetic taste variants on eating behavior and body weight in children. The candidate wrote the grant proposal, designed the study, supervised data collection, analyzed data, and prepared manuscript submissions.
- U. Name of project: CD36: a putative taste receptor for dietary fat in humans
Principal Investigator: Kathleen L. Keller
Source of Funding: National Institutes of Health supported intramural pilot and feasibility grant
Total Award Amount: \$50,000 Start Date: 06/01/07 End Date: 05/31/09
Candidate's Role: PI Percent Effort: 10%
Brief Description of Intellectual Contribution: The goals of this project were to determine the relationship between common polymorphisms in the *CD36* gene and human fat preferences and body weight. The candidate wrote the grant proposal, designed the study, supervised data collection, analyzed data, and prepared follow-up grant submissions to NIH. field. The candidate wrote the grant proposal, designed the study, supervised data collection, analyzed data, and prepared follow-up grant submissions to NIH.
- V. Name of project: Mechanisms controlling food intake in children
Principal Investigator: Harry R. Kissileff
Source of Funding: National Institutes of Health supported intramural pilot and feasibility grant
Total Award Amount: \$50,000 Start Date: 06/01/03 End Date: 05/31/05
Candidate's Role: Co-I Percent Effort: 5%
Brief Description of Intellectual Contribution: The goal of this project was to develop and validate analog scales for measuring fullness and taste intensity in children. The candidate assisted with study design, data collection, data analysis, manuscript preparation, and follow-up grant submission.