

James N. Roemmich, Ph.D.

Center Director

United States Department of Agriculture (USDA) - Agriculture Research Service (ARS)

Grand Forks Human Nutrition Research Center

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EDUCATION & TRAINING

1994-1997 **Post-Doctoral Fellowship.** Pediatric Endocrinology/Exercise Physiology, University of Virginia
1988-1994 **Ph.D.** Exercise Physiology, Kent State University
1986-1988 **M.S.** Biology/Exercise Physiology, Ball State University
1982-1986 **B.A.** Biology, Jamestown College Jamestown, N.D.

PROFESSIONAL APPOINTMENTS

December, 2016 – Present

Center Director, USDA-ARS-Plains Area, Grand Forks Human Nutrition Research Center, Grand Forks, ND
Senior Science and Technology Service

Provides overall direction to Human Nutrition Research Center in the Agricultural Research Service, the USDA's intramural research program. Directs all aspects of the Center that conducts basic and applied research to understand the roles of foods, eating behavior, and physical activity in human nutrition and health. Leads fiscal, personnel and facilities management and planning. Supervises and coordinates efforts of 13 senior scientists and a support staff of 80 full-time employees. Advances and manages an annual budget of \$10 million. Represents Center in the development and execution of the ARS National Program in Human Nutrition and to local and national ARS collaborators and stakeholders. Collaborates with other federal agencies, universities, state and local officials, and private sector interests to advance the Center's/Agency's missions.

July, 2011 – December, 2016

Supervisory Research Physiologist/Research Leader, USDA-ARS-PA, Grand Forks Human Nutrition Research Center, Grand Forks, North Dakota

July, 2006 – July, 2011

Associate Professor, Department of Pediatrics, University at Buffalo

July, 2006 – July, 2011

Associate Professor (Adjunct), Dept. of Exercise and Nutrition Sciences, University at Buffalo

August, 2000 – July, 2006

Assistant Professor, Department of Pediatrics, University at Buffalo

August, 2000 – July, 2006

Assistant Professor (Adjunct), Department of Exercise and Nutrition Sciences, University at Buffalo

January, 1999 – August, 2000

Assistant Professor of Research (Faculty Status), Department of Pediatrics, University of Virginia

February, 1997 – January, 1999

Research Associate (Faculty Status), Department of Pediatrics, University of Virginia

May, 1994 – February, 1997

Post-Doctoral Fellow, Department of Pediatrics, University of Virginia

August, 1988 – May, 1994

Teaching/Research Assistant/Applied Physiology Laboratory Coordinator, Applied Physiology Laboratory, Kent State University

August, 1986 – May, 1988

Research/Teaching Assistant, Department of Biology/Human Performance Laboratory, Ball State University

AWARDS & HONORS

- 2023 Research.com ranking as one of the ‘Best Social Sciences and Humanities scientists in the US’
- 2022 Top 1% of scholars writing about Obesity over the past 10 y per Expertscape's PubMed-based algorithms
- 2019 Alumni Hall of Fame – University of Jamestown – Highest honor bestowed by the University
- 2008 Faculty Recognition and Honors for 2006-2008 - University at Buffalo
- 1994 Post-Doctoral Fellowship - Research Training in Diabetes and Hormone Action, NIH 5T32-DK07320-17, University of Virginia
- 1994 Graduate Student Senate Research Award for outstanding student research, Kent State University
- 1993 David B. Smith Fellowship - highest award bestowed to a graduate student based on publications, presentations, external funds, outstanding teaching and academic record, Kent State University
- 1992 Graduate Student Senate Research Award for outstanding student research, Kent State University
- 1992 University Honor Roll for representing Kent State University with excellence and commitment
- 1990 Fellowship for exceptional graduate student research and teaching, Kent State University
- 1990 Fellowship for outstanding graduate studies and research, Kent State University
- 1988 Deans Citation of Academic Excellence for completion of Master of Science degree with a perfect (4.0) academic record, Ball State University

OTHER AWARDS

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|------|--|---------|
| 2017 | Support for the Scientific Session ‘Diet- and exercise-induced epigenetic alterations of skeletal muscle and white, beige, and brown adipocytes’ at Experimental Biology Meeting | \$5000 |
| 2016 | USDA-Agriculture Research Service Plains Area Leadership Training Scholarship | \$2,540 |
| 2015 | USDA-Agriculture Research Service Plains Area Leadership Training Scholarship | \$4,840 |
| 2010 | University of Pittsburgh Mind-Body Center's Summer Institute | \$1,000 |
| 2008 | University of Pittsburgh Mind-Body Center's Summer Institute | \$1,000 |

2000	International Congress of Endocrinology Travel Award	\$500
1997	European Society of Pediatric Endocrinology Travel Award	\$1,000
1997	Endocrine Society Travel Award	\$500

GRANT SUPPORT

Funded Grants

1. Roemmich, J.N. (PI)

Effect of Change to a more Traditional Healthy Diet on Simultaneous Physical Activity Change in Great Plains Indians

USDA Administrators Post-Doctoral Research Associate

Total costs: \$140,000

10/1/2023 – 9/31/2025

2. Redvers, N. (PI), K. Larson (ARS-PI), J.N Roemmich (ARS Co-I)

Centers of Biomedical Research Excellence (COBRE) Grant proposal - Historical Trauma and Resilience as a Biological State and Its Association with the Effects of the Traditional Indigenous Food Chokeberry National Institutes of Health, National Institute of General Medical Sciences

Total costs \$150k (UND), \$14,664 to ARS

3. S.L. Casperson (PI), J.N. Roemmich (Co-PI)

Beef as part of a structured protein intake pattern during weight loss on body composition, snacking, and adherence to a weight control diet

4/1/2016 – 3/31/2019, North Dakota Beef Commission

Total costs: \$131,500

4. J.N. Roemmich (PI), K. Claycombe (co-I), Joyce Ohm (Co-I)

A Flood of Stress: A Natural Experiment of Prenatal Stress on Epigenetic Regulation of Stress Reactivity, Eating Behaviors, and Obesity

9/15/2015 – 9/14/2016, UND Center for Biomedical Research Excellence (COBRE): Epigenomics of Development and Disease

Total costs: \$50,000

5. L. Jahns (PI), J.N. Roemmich (Co-I)

Egg consumption in the US: Using Observational Data and Behavioral Economics to Examine Intake, Nutrient Contribution and Affordability

9/20/2015 – 9/19/2017, American Egg Board, Egg Nutrition Center

Total costs: \$125,159

6. Roemmich, J.N. (PI)

Increasing the Attractiveness of Physical Activity

1/1/15 – 12/31/17, USDA Administrators Post-Doctoral Research Associate

Total costs: \$140,000

7. Roemmich, J.N. (Research Leader, Lead Scientist)

Management Unit 501 5450 010 Healthy Body Weight Maintenance

10/1/2014 – 9/31/2019, USDA-ARS

Total costs: \$26,005,030

8. Roemmich, J.N. (PI)

Visitation, amenity use, and physical activity intensity of urban and rural parks

6/11/14 – 8/3/14, USDA/ARS Northern Plains Area Office Co-Funded Internship Program

Total costs: \$3,864

9. K. Claycombe (PI), J.N. Roemmich, J.N. (Co-I)

Maternal weight gain associated placental epigenetic changes: role of irisin

University of North Dakota Center of Biomedical Research Excellence pilot grant

Total costs: \$24,977

10. **Roemmich, J.N. (PI)**
 Influence of Park Environment Changes on Parent and Child Physical Activity
 6/11/12 – 8/3/12, USDA/ARS Northern Plains Area Office Co-Funded Internship Program
 Total costs: \$3,824
11. Moore, R. (PI, NC State), **J.N. Roemmich (UB Site PI)**
 Parks for Kids: Evidence-based planning, designing and programming of urban parks for kids and families
 2/01/11 – 1/31/12, Active Living Research/Robert Wood Johnson Foundation
 Total costs: \$28,244, total costs to UB: \$11,162
12. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Experimental Analysis of Price Changes and Food Purchases in Obese and Lean Mothers
 8/10/2010 – 7/310/2014, National Institutes of Health
 Total costs to UB: \$1,927,098
13. **Roemmich, J.N. (PI)**
 Non-shared environments and discordance of obesity in adolescent siblings
 05/01/2010 – 02/28/2014, National Institutes of Health
 Total costs to UB: \$1,570,863
14. Epstein, L.H. (PI) and **J.N. Roemmich (Co-I)**
 Translating Habituation Research to Interventions for Pediatric Obesity
 9/21/09 – 9/30/14, National Institutes of Health
 Total costs to UB: \$3,025,656
15. **Roemmich, J.N. (PI)**
 Children's Stress and Intima Media Thickness
 11/01/09 – 10/31/10, UB 2020 Interdisciplinary Research Development Fund
 Total costs: \$27,600
16. Quattrin, T (PI), **J.N. Roemmich (Co-I)**
 Treating Overweight Youth: A Family-Based Approach in Primary Care
 12/01/07 – 11/30/12, National Institutes of Health
 Proposed total costs to UB: \$3,288,980
17. Salvy, S.J. (PI), **J.N. Roemmich (Co-I)**
 Effects of Peers on Eating Behavior in Overweight and Normal Weight Youth
 12/01/07 – 11/30/10, National Institutes of Health
 Total costs: \$1,188,750
18. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Food Reinforcement-Genotype Interactions and Eating
 9/21/07 – 9/30/11, National Institutes of Health
 Total costs to UB: \$1,014,400
19. **Roemmich, J.N. (PI)**
 Efficacy of Increasing Youth Physical Activity: Neighborhood Environment Influences
 9/01/07 – 8/30/10, National Institutes of Health
 Total costs to UB: \$1,408,684
20. Salvy, S.J. (PI), **J.N. Roemmich (Co-I)**
 Effects of Social-Skills Training on Recreational Activities in Youth
 7/01/07 – 6/30/08, University at Buffalo Interdisciplinary Research and Creative Activities Fund
 Total costs: \$35,000
21. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Habituation to Food in Children
 6/01/07 – 3/31/11, National Institutes of Health
 Total costs to UB: \$1,010,440
22. **Roemmich, J.N. (PI)**
 Children's Choices of Park Elements for Physical Activity
 1/01/07 – 12/31/09, Robert Wood Johnson Foundation
 Total costs to UB: \$205,153
23. Lambiase, M. (PI) and **J.N. Roemmich (Co-I)**
 Protective Effect of Exercise against Cardiovascular Reactivity to an Interpersonal Stressor
 11/01/06 – 10/31/07, University at Buffalo Mark Diamond Research Foundation

- Total costs: \$960
24. Beers, E. (PI), **J.N. Roemmich (Co-I)**
 Increasing Passive Energy Expenditure During Clerical Work
 7/01/06 – 6/30/07, University at Buffalo Mark Diamond Research Foundation
 Total costs: \$750
 25. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Effects of Changing Sedentary Behavior in Obese Children
 6/01/06 – 5/31/09, National Institutes of Health
 Total costs to UB: \$1,188,750
 26. Terrazas, A (PI), **J.N. Roemmich (UB site PI)**
 Behavioral Economy to Treat Physical Inactivity
 8/7/2005 – 1/31/2006, NIH- National Institute of Diabetes and Digestive and Kidney Diseases, R43
 DK062526
 Total costs to UB: \$45,431
 27. **Roemmich, J.N. (PI)**
 Influence of the Built Environment and Motivation to be Active on the Physical Activity of Youth
 11/01/04 – 10/31/05, UB Interdisciplinary Research and Creative Activities Fund
 Total costs: \$47,000
 28. Barkley J. (PI), **J.N. Roemmich (Co-I)**
 Reinforcing value of interval and continuous exercise above and below the ventilatory threshold
 9/01/05 – 8/30/06, University at Buffalo Mark Diamond Research Foundation
 Total costs: \$1,093
 29. Barkley, J. (PI), **J.N. Roemmich (Co-I)**
 Effect of Exercise Intensity on Insulin Sensitivity in Obese Insulin Resistant Adolescents
 12/01/04 – 11/30/05, Gatorade Sport Science Institute
 Total costs: \$1500
 30. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Habituation to Food in Children
 8/01/0 – 5/30/06, NIH- National Institute of Child Health & Human Development,
 R01 HD 044725
 Total costs to UB: \$1,059,750
 31. Epstein, L.H. (PI), **J.N. Roemmich (Co-I)**
 Modifying the Home TV Watching Environment
 9/30/02 – 5/30/07, NIH-National Institute of Diabetes and Digestive and Kidney Diseases, RO1 DK
 063442
 Total costs to UB: \$1,540,565
 32. Pincus, S. (PI), **J.N. Roemmich (consultant)**
 Changes in GH Secretory Dynamics in Peripubertal Girls
 Role: Paid consultant
 8/7/2002 – 1/31/2003, NIH-National Institute of Diabetes and Digestive and Kidney Diseases, R43
 DK062526
 Total costs: \$73,800
 33. **Roemmich, J.N. (PI)**
 Increasing Physical Activity of Sedentary Youth
 7/1/02 – 6/30/07, NIH-National Institute of Child Health & Human Development
 RO1 HD42766
 Total costs to UB: \$1,125,576
 34. Quattrin, T. (PI), **J.N. Roemmich (Co-I)**
 Hormonal Milieu and Weight Loss in Obesity
 3/01/2002 - 2/28/2003, R.J. Stransky Foundation
 Total costs: \$50,000
 35. Quattrin, T. (PI), **J.N. Roemmich (Co-I)**
 Behavioral modification for youth with obesity and insulin resistance
 3/2002 - 2/2003, Kalieda Health

- Total costs: \$70,000
Salary support: 20% full time effort
- 36. Wright, S. (PI), J.N. Roemmich (Co-I)**
Delay Discounting for Food and Money Rewards
04/01 - 08/01, University at Buffalo Mark Diamond Foundation
Total costs: \$546
- 37. Roemmich, J.N. (PI)**
Psychological Stress, Cortisol Reactivity & Food Intake in Obese Children
01/2001 - 01/2002, North American Association for the Study of Obesity
Total costs: \$15,000
- 38. Friel, A. (PI), J.N. Roemmich (Co-I)**
Familial Influence on Body Composition and Insulin Concentrations in Youth
Summer 2000, Endocrine Society (Research Fellowship for Ms. Friel)
Total costs: \$2500
- 39. Roemmich, J.N. (PI)**
Behavioral Modification to Alter Energy Expenditure and Body Composition of Obese Youth
1/1999 – 12/1999, University of Virginia Children’s Medical Center
Total costs: \$10,000
- 40. Fahkran, S. (PI), J.N. Roemmich (Co-I)**
Influence of Abdominal Visceral Fat on Hormone Release in Youth
Summer 1998, Endocrine Society (Research Fellowship for Mr. Fahkran)
Total costs: \$2000
- 41. Roemmich, J.N. (PI)**
Influence of Energy Expenditure, Nutrition, and Hormone Secretion on Body Composition and Visceral Abdominal Fat
1996 – 1997, University of Virginia Children’s Medical Center
Total costs: \$8551
- 42. Rogol, A.D. (PI), J.N. Roemmich (Co-I)**
Alterations in Body Composition and Growth at Puberty
6/1996 – 4/2000, NIH-National Institute of Child Health and Human Development, RO1 HD32631
Total costs: \$1,500,000
Salary support: 100% full time effort
- 43. Roemmich, J.N. (PI)**
Weight Loss Effects on Growth, Maturation, Growth Related Hormones, Protein Nutritional Markers and Body Composition of Adolescent Athletes
1/1992 – 1/1993, Sisler McFawn Foundation
Total costs: \$2000
- 44. Roemmich, J.N. (PI)**
Weight Loss Effects on Protein Nutrition Markers, Growth Related Hormones and Body Composition of Adolescent Athletes
1/1992 – 1/1993, Quaker Oats Company
Total costs: \$1000
- 45. Roemmich, J.N. (PI)**
Weight Loss Effects on Growth Related Hormones, Protein Nutrition Markers, Body Composition, Growth and Maturation of Adolescent Athletes
1/1992 – 1/1993, Ronald McDonald's Children's Charities
Total costs: \$8186
- 46. Roemmich, J.N. (PI)**
Effects of Weight Loss on Selected Hormones in the Adolescent Wrestler
10/1/87 – 9/30/88, Ball State University Graduate Student Association
Total costs: \$160

SCIENTIFIC IMPACT OF PUBLICATIONS

- Google Scholar h-index (January 12, 2024): 73
- Ranked in the top 2% of scientist authors by: Ioannidis JPA, Boyack KW, Baas J. Updated science-wide author databases of standardized citation indicators. *PLoS Biol.* 2020;18:e3000918.
<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000384>

PUBLICATIONS

Names of co-authors who were students or trainees are underlined.

Refereed Original Journal Articles (*by year*)

Each journal article was reviewed by at least two expert researchers in the field.

1990

1. Houmard, J.A., D.L. Costill, J.B. Mitchell, S.H. Park, R.C. Hickner and **J.N. Roemmich**. Reduced training maintains performance in distance runners. *International Journal of Sports Medicine*, 11:46-52, 1990.
2. Park, S.H., **J.N. Roemmich** and C.A. Horswill. A season of wrestling and weight loss by adolescent wrestlers: Effect on anaerobic arm power. *Journal of Applied Sport Science Research*, 4:1-4, 1990.
3. Horswill, C.A., S.H. Park and **J.N. Roemmich**. Changes in the protein nutritional status of adolescent wrestlers. *Medicine and Science in Sports and Exercise*, 22:599-604, 1990.

1991

4. Hickner, R.C., C.A. Horswill, J.M. Welker, J. Scott, **J.N. Roemmich** and D.L. Costill. Test development for the study of physical performance in wrestlers. *International Journal of Sports Medicine*, 12:557-562, 1991.

1993

5. **Roemmich, J.N.** and J.P. Frappier. Physiologic determinants of wrestling success in high school athletes. *Pediatric Exercise Science*, 5:134-144, 1993.

1995

6. Perriello, V.A., J. Almquist, D. Conkwright, D. Cutter, D. Gregory, M.J. Pitrezzi, **J.N. Roemmich**, and G. Snyders. Health and weight control management among wrestlers: A proposed program for high school athletes. *Virginia Medical Quarterly*, 122:179-183, 1995.

1996

7. **Roemmich, J.N.** and W.E. Sinning. Sport seasonal changes in growth, body composition, anaerobic power, and strength of adolescent wrestlers. *International Journal of Sports Medicine*, 17:92-99, 1996.

1997

8. **Roemmich, J.N.** and W.E. Sinning. Weight loss and wrestling training: Effects on nutrition, growth, maturation, body composition, and strength. *Journal of Applied Physiology*, 82(6):1751- 1759, 1997.
9. **Roemmich, J.N.** and W.E. Sinning. Weight loss and wrestling training: II. Effects on growth-related hormones. *Journal of Applied Physiology*, 82:1760-1764, 1997.
10. **Roemmich, J.N.**, R.M. Blizzard, S.D. Peddada, R.M. Malina, A.F. Roche, J.M. Tanner, and A.D. Rogol. Longitudinal assessment of hormonal and physical alterations during normal puberty in boys. IV: Predictions of adult height by the Bayley-Pinneau, Roche-Wainer-Thissen, and Tanner-Whitehouse methods compared. *American Journal of Human Biology*, 9(3):371-380, 1997.
11. **Roemmich, J.N.**, X. Li, A.D. Rogol, and E.F. Rissman. Food availability affects neural estrogen receptor immunoreactivity in prepubertal mice. *Endocrinology*, 138:5366-5373, 1997.
12. **Roemmich, J.N.**, P.A. Clark, A. Weltman, and A.D. Rogol. Alterations in growth and body composition during puberty: I. Comparing multicompartiment body composition models. *Journal of Applied Physiology*, 83:927-935, 1997.

1998

13. **Roemmich, J.N.**, P.A. Clark, S. Berr, V. Mai, C. Mantzoros, A. Weltman, J.S. Flier, and A.D. Rogol. Gender differences in leptin levels during puberty are related to the subcutaneous fat depot and sex steroids. *American Journal of Physiology*, 275:E543-E551, 1998.
14. **Roemmich, J.N.**, P.A. Clark, V. Mai, S. Berr, A. Weltman, J.D. Veldhuis, and A.D. Rogol. Alterations in growth and body composition during puberty: III. Influence of maturation, gender, body composition, fat

distribution, aerobic fitness, and energy expenditure on nocturnal growth hormone release during puberty. *Journal of Clinical Endocrinology and Metabolism*, 83:1440-1447, 1998.

1999

15. **Roemmich, J.N.** and A.D. Rogol. Hormonal changes during puberty and relationship to fat distribution. *American Journal of Human Biology*, 11(2):209-224, 1999.
16. **Roemmich, J.N.** and A.D. Rogol. Evidence Supporting an Adipo-Leptin-Growth Hormone Axis in obesity-related hyposomatotropism. *The Endocrinologist*, 9(6):424-430, 1999.

2000

17. Perks, S.M., **J.N. Roemmich**, M. Sadow-Pajewski, P.A. Clark, E. Thomas, A. Weltman, J. Patrie, and A.D. Rogol. Alterations in growth and body composition during puberty. IV. Energy intake estimated by the youth-adolescent food-frequency questionnaire: validation by the doubly labeled water method. *American Journal of Clinical Nutrition*, 72(6): 1455-1460, 2000.
18. **Roemmich, J.N.**, P.A. Clark, K. Walter, A. Weltman, and J. T. Patrie, A.D. Rogol. Pubertal Alterations in growth and body composition. V. Energy expenditure, adiposity, and fat distribution. *American Journal of Physiology*, 279: E1426-E1436, 2000.
19. Veldhuis, J.D., **J.N. Roemmich**, and A.D. Rogol. Gender and sexual maturation-dependent contrasts in the neuroregulation of growth hormone secretion in prepubertal and late adolescent males and females—a general clinical research center-based study. *Journal of Clinical Endocrinology and Metabolism*, 85: 2385-2394, 2000.

2001

20. **Roemmich, J.N.**, M.G. Huerta, S.M. Sundaresan, and A.D. Rogol. Alterations in body composition and fat distribution in growth hormone-deficient prepubertal children during growth hormone therapy. *Metabolism*, 50(5):537-547, 2001.
21. Epstein, L.H., R.A. Paluch, L.E. Kalakanis, G.S. Goldfield, F.J. Cerny and **J.N. Roemmich**. How much activity do youth get? A quantitative review of heart-rate measured activity. *Pediatrics*, 108(3): e44, 2001.

2002

22. **Roemmich, J.N.**, P.A. Clark, M. Lusk, A. Friel, A. Weltman, L.H. Epstein, and A.D. Rogol. Pubertal alterations in growth and body composition. VI. Pubertal insulin resistance: relation to adiposity, body fat distribution, and hormone release. *International Journal of Obesity and Related Metabolic Disorders*, 26(5): 701-709, 2002.
23. **Roemmich, J.N.**, S.M. Wright, and L.H. Epstein. Dietary restraint and stress-induced snacking in youth. *Obesity Research*, 10(11): 1120-1126, 2002.

2003

24. **Roemmich, J.N.**, P.A. Clark, C.S. Mantzoros, C. M. Gurgol, A. Weltman, and A.D. Rogol. Relationship of leptin to bone mineralization in children and adolescents. *Journal of Clinical Endocrinology and Metabolism*, 88(2):599-604, 2003.
25. Epstein, L.H., J.B. Richards, F.G. Saad, R.A. Paluch, **J.N. Roemmich**, and C. Lerman. Comparison between two measures of delayed discounting in smokers. *Experimental and Clinical Psychopharmacology*, 11(2):131-138, 2003.
26. **Roemmich, J.N.**, C.M. Gurgol, and L.H. Epstein. Influence of an interpersonal laboratory stressor on youths' choice to be physically active. *Obesity Research*, 11(9):1080-1087, 2003.
27. Epstein, L.H., F.G. Saad, E.A. Handley, **J.N. Roemmich**, L.W. Hawk, and F.K. McSweeney. Habituation of salivation and motivated responding for food in children. *Appetite*, 41(3):283-289, 2003.

2004

28. Leddy, J.J., L.H. Epstein, J.L. Jaroni, **J.N. Roemmich**, R.A. Paluch and G.S. Goldfield. Influence of methylphenidate on eating in obese men. *Obesity Research*, 12(2):224-232, 2004.
29. **Roemmich, J.N.**, C.M. Gurgol and L.H. Epstein. Open loop feedback increases physical activity of youth. *Medicine and Science in Sports and Exercise*, 36(4):668-673, 2004.
30. Wrotniak, B.H., L.H. Epstein, R.A. Paluch, and **J.N. Roemmich**. Parent weight change as a predictor of child weight change in family-based behavioral obesity treatment. *Archives of Pediatrics and Adolescent Medicine*. 158(4):342-7, 2004.
31. **Roemmich, J.N.**, E. Liu, A.D. Rogol, L.H. Epstein, and T. Quattrin. Diminished Insulin Resistance with Weight Loss in Severely Overweight Youth. *Metabolic Syndrome and Related Disorders*, 2(3):160-168, 2004. doi: 10.1089/met.2004.2.160

32. Epstein, L.H., **J.N. Roemmich**, F.G. Saad, and E.A. Handley. The value of sedentary alternatives influences child physical activity choice. *International Journal of Behavioral Medicine*, 11(4):236-242, 2004.
- 2005
33. Epstein, L.H., **J.N. Roemmich**, R.A. Paluch, H.A. Raynor. Influence of changes in sedentary behavior on energy and macronutrient intake in youth. *American Journal of Clinical Nutrition*, 81(2):361-366, 2005.
34. Epstein, L.H., F.G. Saad, A.M. Giacomelli and **J.N. Roemmich**. Effects of allocation of attention on habituation to olfactory and visual food stimuli in children. *Physiology and Behavior*, 84(2):313-319, 2005. ePub 2005 Jan 16
35. Huerta, M.G., **J.N. Roemmich**, M.L. Kington, V.E. Bovbjerg, A.L. Weltman, V.F. Holmes, A.D. Rogol, and J.L. Nadler. Magnesium deficiency is associated with insulin resistance in obese children. *Diabetes Care*, 28(5):1175-1181, 2005.
36. Epstein, L.H., **J.N. Roemmich**, R.A. Paluch, and H.R. Raynor. Physical activity as a substitute for sedentary behavior in youth. *Annals of Behavioral Medicine*, 29(3):200-209, 2005.
37. Wrotniak, B.H., L.H. Epstein, R.A. Paluch, and **J.N. Roemmich**. The relationship between parent and child self-reported adherence and weight loss. *Obesity Research*, 13(6):1089-1096, 2005.
38. **Roemmich, J.N.**, P.A. Clark, A.L. Weltman, J.D. Veldhuis, and A.D. Rogol. Pubertal alterations in growth and body composition: IX. Altered Spontaneous nocturnal secretion and metabolic clearance is accelerated in overweight youth. *Metabolism*, 54(10):1374-83, 2005.
39. Epstein, L.H., **J.N. Roemmich**, R.A. Paluch, C. Kilanowski and R. Stein. The challenge of identifying behavioral alternatives to food: Clinic and field studies. *Annals of Behavioral Medicine*, 30(3):201-209, 2005.
- 2006
40. Epstein, L.H., E.A. Handley, K.K. Dearing, D.D. Cho, **J.N. Roemmich**, R.A. Paluch, S. Raja, Y. Pak, and B. Spring. Purchases of food in youth. Influence of price and income. *Psychological Science*, 17(1):82-89, 2006.
41. **Roemmich, J.N.**, J.E. Barkley, L. D'Andrea, M. Nikova, A.D. Rogol, and P.M. Suratt. Increase in Overweight After Adenotonsillectomy in Overweight Children with Obstructive Sleep-Disordered Breathing is Associated with Decreases in Motor Activity and Hyperactivity. *Pediatrics*, 117(2):e200-e208, 2006. ***Singled-out as an important study by National Sleep Foundation (NSF Alert for April 11, 2006).**
42. **Roemmich, J.N.**, J.E. Barkley, L.H. Epstein, C.L. Kuo, T. White, and J. Foster. Validity of PCERT and OMNI-walk/run ratings of perceived exertion. *Medicine and Science in Sports and Exercise*, 38(5):1014-1019, 2006.
43. Temple, J.L., K.M. Kent, A.M. Giacomelli, R.A. Paluch, **J.N. Roemmich**, and L.H. Epstein. Habituation and recovery for salivation and motivated responding for food in children, *Appetite*, 46(3):280-284, 2006. Epub 2006 Apr 19
44. Flor-Cisneros, A., **J.N. Roemmich**, A.D. Rogol, and J. Baron. Bone Age and Onset of Puberty in Normal Boys. *Molecular and Cellular Endocrinology*, 254-255:202-206, 2006. Epub 2006 Jul 11
45. Epstein, L.H., K.K. Dearing, E.A. Handley, **J.N. Roemmich**, and R.A. Paluch. Relationship of mother and child food choices: A pilot study. *Appetite*, 47(1):115-118, 2006. Epub 2006 May 6
46. Temple, J.L., B.H. Wrotniak, R.A. Paluch, **J.N. Roemmich**, and L.H. Epstein. Relationship between sex of parent and child on weight loss and maintenance in a family-based obesity treatment program. *International Journal of Obesity*, 30(8):1260-1264, 2006. Epub 2006 Feb 21
47. Epstein, L.H., S. Raja, S.S. Gold, R.A. Paluch, Y. Pak, and **J.N. Roemmich**. Reducing sedentary behavior: the relationship between park area and the physical activity of youth. *Psychological Science*, 17(8):654-659, 2006.
48. Robinson, J.L., D.D. Winiewicz, J.H. Fuerch, **J.N. Roemmich**, and L.H. Epstein. Relationship between parental estimate and an objective measure of child television watching. *International Journal of Behavioral Nutrition and Physical Activity*, 3:43-47, 2006.
49. **Roemmich, J.N.**, L.H. Epstein, S. Raja, L. Yin, J. Robinson, and D. Winiewicz. Association of Access to Parks and Recreational Facilities with the Physical Activity of Young Children. *Preventive Medicine*, 43(6):437-441, 2006. Epub 2006 Aug 22
- *Selected as the feature article for the December issue by the Editors of Preventive Medicine. The importance and implications of our work were highlighted in the Editorial for this issue.**

2007

50. Temple, J.L., A.M. Giacomelli, K.M. Kent, **J.N. Roemmich**, and L. H. Epstein. Television watching increases motivated responding for food and energy intake in children. *American Journal of Clinical Nutrition*, 85(2):355-361, 2007.
51. **Roemmich, J.N.**, L.H. Epstein, S. Raja, and L. Yin. The neighborhood and home environments: disparate relationships with physical activity and sedentary behaviors in youth. *Annals of Behavioral Medicine*, 33(1):29-38, 2007.
52. Epstein, L.H., M.D. Beecher, J.L. Graf, and **J.N. Roemmich**. Choice of interactive dance and bicycle games in overweight and nonoverweight youth. *Annals of Behavioral Medicine*, 33(2):124-131, 2007.
53. Robinson, J.L., J.H. Fuerch, D.D. Winiewicz, S.J. Salvy, **J.N. Roemmich**, and L.H. Epstein. Cost effectiveness of recruitment methods in an obesity prevention trial for young children. *Preventive Medicine*, 44(6):499-503, 2007. Epub 2007 Mar 20
54. Temple, J.L., A.M. Giacomelli, **J.N. Roemmich**, and L.H. Epstein. Overweight children habituate slower than non-overweight children to food. *Physiology & Behavior*, 91(2-3):250-254, 2007. Epub 2007 Mar 16
55. Epstein, L.H., R.A. Paluch, **J.N. Roemmich** and M.D. Beecher. Family-based obesity treatment, Then and now: Twenty-five years of pediatric obesity treatment. *Health Psychology*, 26(4):381-391, 2007.
56. Paluch, R.A., L.H. Epstein, and **J.N. Roemmich**. Comparison of methods to evaluate changes in relative body mass index in pediatric weight control. *American Journal of Human Biology*, 19(4):487-494, 2007.
57. **Roemmich, J.N.**, J. Smith, L.H. Epstein, and M.J. Lambiase. Stress reactivity and adiposity of youth. *Obesity*, 15(9):2303-2310, 2007.
58. Epstein, L.H., K.K. Dearing, R.A. Paluch, **J.N. Roemmich** and D. Cho. Price and maternal obesity influence purchasing of low- and high-energy-dense foods. *American Journal of Clinical Nutrition*, 86(4):914-922, 2007.

2008

59. Salvy, S-J., J. Bowker, **J.N. Roemmich**, N. Romero, E. Kieffer, R. Paluch and L.H. Epstein. Peer influence on children's physical activity: an experience sampling study. *Journal of Pediatric Psychology*, 33(1):39-49, 2008. Epub 2007 May 24
60. Temple, J.L., A.M. Giacomelli, **J.N. Roemmich**, and L.H. Epstein. Dietary variety impairs habituation in children. *Health Psychology*, 27(1 Suppl):S10-S19, 2008.
61. Epstein, L.H., R.A. Paluch, M. Beecher, and **J.N. Roemmich**. Increasing healthy eating versus reducing high energy dense foods in the treatment of pediatric obesity. *Obesity*, 16(2):318-326, 2008. doi: 10.1038/oby.2007.61
62. Epstein, L.H., **J.N. Roemmich**, J.L. Robinson, R. Paluch, D.D. Winiewicz, J.H. Fuerech, and T.N. Robinson. A randomized trial on the effects of reducing television viewing and computer use on Body Mass Index in young children. *Journal of Adolescent Health*, 162(3):239-245, 2008. doi: 10.1001/archpediatrics.2007.45
63. Temple, J.L., A.M. Giacomelli, **J.N. Roemmich**, and L.H. Epstein. Habituation and within-session changes in motivated responding for food in children. *Appetite*, 50 (2-3) :390-396, 2008.
64. **Roemmich, J.N.**, J.E. Barkley, L.H. Epstein, C.L. Lobarinas, J.H. Foster, and T.M. White. Association of liking and reinforcing value with children's physical activity. *Physiology & Behavior*, 93 (4-5) :1011-1018, 2008. doi: 10.1016/j.physbeh.2008.01.010. Epub 2008 Jan 14
65. Barkley, J.E and **J.N. Roemmich**. Validity of the CALER and OMNI-Bike Ratings of Perceived Exertion. *Medicine & Science in Sports & Exercise*, 40(4):760-766, 2008. doi: 10.1249/MSS.0b013e318161729b
66. Beers, E.A., **J.N. Roemmich**, L.H. Epstein, and P.J. Horvath. Increasing passive energy expenditure during clerical work. *European Journal of Applied Physiology*, 103(3):353-360, 2008. doi: 10.1007/s00421-008-0713-y. Epub 2008 Mar 20
67. Epstein, L.H., J. Robinson, J.L. Temple, **J.N. Roemmich**, A. Marusewski, and R. Nadbrzuch. Sensitization and habituation of motivated behavior in overweight and non-overweight children. *Learning & Motivation*, 39(3):243-255, 2008.

2009

68. **Roemmich, J.N.**, C.L. Lobarinas, P.N. Joseph, M.J. Lambiase, and J. Dorn. Cardiovascular reactivity to psychological stress and carotid intima-media thickness in children. *Psychophysiology*, 46(2):293-299, 2009. doi: 10.1111/j.1469-8986.2008.00776.x. Epub 2009 Jan 20

69. Salvy, S-J., **J.N. Roemmich**, J. Bowker, N.D. Romero, P.J. Stadler, and L.H. Epstein. Effect of peers and friends on youth physical activity and motivation to be physically active. *Journal of Pediatric Psychology*, 34(2):217-225, 2009. doi: 10.1089/met.2004.2.160
70. Epstein, L.H., Jodie L. Robinson, J.L. Temple, **J.N. Roemmich**, A.L. Maruseski, and R.L. Nadbrzuch. Variety influences habituation of motivated behavior for food and energy intake in children. *American Journal of Clinical Nutrition*, 89(3):746-754, 2009. doi: 10.3945/ajcn.2008.26911. Epub 2009 Jan 28
71. **Roemmich, J.N.**, M.J. Lambiase, S-J. Salvy, and P. Horvath. Protective effect of interval exercise on psychophysiological stress reactivity in children. *Psychophysiology*, 46(4):852-861, 2009. doi: 10.1111/j.1469-8986.2009.00808.x. Epub 2009 Apr 6
72. Barkley, J.E., L.H. Epstein, and **J.N. Roemmich**. Reinforcing value of interval and continuous exercise in children. *Physiology and Behavior*, 98(1-2):31-36, 2009. doi: 10.1016/j.physbeh.2009.04.006. Epub 2009 Apr 16
***Jake Barkley was my doctoral student and this was his dissertation project. I should be viewed as the senior scientist on this manuscript.**
73. Kuperminc, M.N., M.J. Gurka, C.M. Houlihan, R.C. Henderson, **J.N. Roemmich**, A.D. Rogol, and R.D. Stevenson. Puberty, statural growth, and growth hormone release in Children with Cerebral Palsy, *Journal of Pediatric Rehabilitation*, 2(2):131-141, 2009. doi: 10.3233/PRM-2009-0072
- 2010
74. M.J. Lambiase, H.M. Barry, and **J.N. Roemmich**. Effect of a simulated active commute to school on cardiovascular stress reactivity. *Medicine & Science in Sport & Exercise*, 42(8):1609-1616, 2010. doi: 10.1249/MSS.0b013e3181d0c77b
***Maya Lambiase was my doctoral student and this project was from my research line. I should be considered the senior scientist on this manuscript.**
75. Epstein, L.H., J.L. Robinson, **J.N. Roemmich**, A.L. Marusewski and Lora G. Roba. What constitutes food variety? Stimulus specificity of food. *Appetite*, 54(1):23-29, 2010. doi: 10.1016/j.appet.2009.09.001. Epub 2009 Sep 16
76. **Roemmich, J.N.**, T.M. White, R. Paluch, and L.H. Epstein. Energy intake, parental control of children's eating and physical activity in siblings discordant for adiposity. *Appetite*, 55(2):325-331, 2010. doi: 10.1016/j.appet.2010.07.004. Epub 2010 Jul 13
77. Raja, S., L. Yin, **J.N. Roemmich**, C. Ma, L. Epstein, and P. Yadav. Food environment, built environment, and women's BMI: evidence from Erie County, New York *Journal of Planning Education and Research*, 29(4):444-460, 2010.
- 2011
78. Salvy, S-J., A. Elmo, L.A. Nitecki, M.A. Kluczynski and **J.N. Roemmich**. Influence of parents and friends on children and adolescents' food intake and food selection. *American Journal of Clinical Nutrition*, 93(1):87-92, 2011. doi: 10.3945/ajcn.110.002097. Epub 2010 Nov 3
79. Salvy, S-J., J.C. Bowker, M.A. Kluczynski, L.A. Nitecki, L.J. Germeroth and **J.N. Roemmich**. Impact of simulated ostracism on overweight and non-overweight youths' motivation to eat and food intake. *Appetite*, 56(1):39-45, 2011. doi: 10.1016/j.appet.2010.11.140. Epub 2010 Nov 19
80. **Roemmich, J.N.**, D.M. Feda, A. Seelbinder, M.J. Lambiase, G.K. Kala and J. Dorn Stress-induced cardiovascular reactivity and atherogenesis in adolescents. *Atherosclerosis*, 215(2):465-470, 2011. doi: 10.1016/j.atherosclerosis.2010.12.030. Epub 2011 Jan 19.
81. Epstein, L.H., **J.N. Roemmich**, M.D. Cavanaugh and R.A. Paluch. The motivation to be sedentary predicts weight change when sedentary behaviors are reduced. *International Journal of Behavioral Nutrition and Physical Activity*, 8:13, 2011. doi: 10.1186/1479-5868-8-13
82. Epstein, LH, J.L. Robinson, **J.N. Roemmich** and A. Marusewski. Slow rates of habituation predict greater zBMI gains over 12 months in lean children. *Eating Behaviors*, 12(3):214-218, 2011. doi: 10.1016/j.eatbeh.2011.05.001. Epub 2011 May 27
83. Barkley, J.E. and **J.N. Roemmich**. Validity of a pediatric RPE scale when different exercise intensities are completed on separate days. *Journal of Exercise Science & Fitness*, 9:52-57, 2011.
84. Barkley, J.E., **J.N. Roemmich**, E.J. Ryan, D. Bellar and M.V. Bliss. Variety of exercise equipment and physical activity participation in children, *Journal of Sports Behavior*, 34:127-149, 2011.

85. **Roemmich, J.N., M.J. Lambiase, C.L. Lobarinas, and K.N. Balantekin.** Interactive effects of dietary restraint and adiposity on stress-induced eating and the food choice of children. *Eating Behaviors*, 12(4):309-312, 2011. doi: 10.1016/j.eatbeh.2011.07.003. Epub 2011 Jul 24

2012

86. Salvy, S-J., M.A. Kluczynski, L.J. Germeroth and **J.N. Roemmich** Effects of ostracism and social connection-related activities on adolescents' motivation to eat and energy intake. *Journal of Pediatric Psychology*, 37(1):23-32, 2012. doi: 10.1093/jpepsy/jsr066. Epub 2011 Aug 31
87. Epstein, L.H., K.A. Carr, H. Lin, K.D. Fletcher and **J.N. Roemmich**. Usual energy intake mediates the relationship between food reinforcement and BMI. *Obesity*. 20(9):1815-1819, 2012. doi: 10.1038/oby.2012.2. Epub 2012 Jan 13
88. Barkley, J.E., S-J. Salvy and **J.N. Roemmich**. The effect of simulated ostracism on physical activity behavior in children. *Pediatrics*. 129(3):e659-666, 2012. doi: 10.1542/peds.2011-0496. Epub 2012 Feb 6.
89. Feda, D.M., M.J. Lambiase, T. McCarthy, J.E. Barkley and **J.N. Roemmich**. Effect of increasing choice of active options on children's physically active play. *Journal of Science and Medicine in Sports*, 15(4):334-340, 2012.
- *Dr. Feda was a post-doctoral fellow and this project was from my research line. I am the senior scientist on this manuscript.**

90. **Roemmich, J.N., M.J. Lambiase, T. McCarthy, D.M. Feda** and K.F. Kozlowski. Autonomy supportive environments and mastery as basic factors to motivate physical activity in children: a controlled laboratory study. *International Journal of Behavioral Nutrition and Physical Activity*, 9:16-, 2012. doi: 10.1186/1479-5868-9-16
91. Lambiase, M. J., J. Dorn and **J.N. Roemmich**. Metabolic and cardiovascular adjustments during psychological stress and carotid artery intima-media thickness in youth. *Physiology and Behavior*. 105(5):1140-1147, 2012. doi: 10.1016/j.physbeh.2011.12.012. Epub 2011 Dec 22
92. Balantekin, K.N. and **J. N. Roemmich**. Children's coping after psychological stress. Choices among food, physical activity, and television. *Appetite*. 59(2):298-304, 2012. doi: 10.1016/j.appet.2012.05.016. Epub 2012 May 22
93. Lambiase, M. J., J. Dorn, N.J. Chernega, T.F. McCarthy and **J.N. Roemmich**. Excess heart rate and systolic blood pressure during psychological stress in relation to metabolic demand in adolescents. *Biological Psychology*, 91(1):42-47, 2012. doi: 10.1016/j.biopsycho.2012.05.007. Epub 2012 May 23
94. **Roemmich, J.N., C.L. Lobarinas, J.E. Barkley, T.M. White, R. Paluch** and L.H. Epstein. Use of an open-loop system to increase physical activity. *Pediatric Exercise Science*, 24(3):384-398, 2012.
95. Quattrin, T., **J.N. Roemmich**, R. Paluch, J. Yu, L.H. Epstein and M.A. Ecker. Efficacy of Family-Based Weight Control for PreSchool Children in Primary Care. *Pediatrics*, 130(4):660-666, 2012. doi: 10.1542/peds.2012-0701. Epub 2012 Sep 17
96. Epstein, L.H. S. Raja, T. Oluyomi, R.A. Paluch, D.E. Wilfley, B.E. Saelens and **J.N. Roemmich**. The built environment moderates effects of family-based childhood obesity treatment over two years. *Annals of Behavioral Medicine*. 44(2):248-258, 2012. doi: 10.1016/j.biopsycho.2012.05.007. Epub 2012 May 23

2013

97. Epstein, L.H., K.D. Fletcher, J. O'Neill, **J.N. Roemmich**, H. Raynor and M. Bouton. Food characteristics, long-term habituation and energy intake. Laboratory and field studies. *Appetite*, 60(1):40-50, 2013. doi: 10.1016/j.appet.2012.08.030. Epub 2012 Oct 22
98. Goldschmidt, A.B., D.E. Wilfley, R.A. Paluch, **J.N. Roemmich** and L.H. Epstein. Indicated prevention of adult obesity: how much weight change is necessary for normalization of weight status in children? *Archives of Pediatrics and Adolescent Medicine*, 167(1):21-26, 2013. doi: 10.1001/jamapediatrics.2013.416. Erratum in: *JAMA Pediatr*. 2013 Jun;167(6):560
99. Lambiase, M.J., J. Dorn and **J.N. Roemmich**. Systolic blood pressure reactivity during submaximal exercise and acute psychological stress in youth. *American Journal of Hypertension*, 26(3):409-415, 2013. doi: 10.1093/ajh/hps036. Epub 2013 Jan 7
100. Claycombe, K.J., E.O. Uthus, **J.N. Roemmich**, L.K. Johnson, and W.T. Johnson. Prenatal low-protein and postnatal high-fat diets induce rapid adipose tissue growth by inducing Igf2 expression in Sprague Dawley rat offspring. *Journal of Nutrition*, 143(10):1533-1539, 2013. doi: 10.3945/jn.113.178038. Epub 2013 Aug 14

101. Yin, L., S. Raja, **J.N. Roemmich**, L.H. Epstein, X. Li and M. Godfrey. Neighbourhood for playing: using GPS, GIS and accelerometry to delineate areas within which youth are physically active. *Urban Studies*, 50:2922-2939, 2013.

2014

102. **Roemmich, J.N.**, J.E. Beeler, and L. Johnson. A Microenvironment Approach to Reducing Sedentary Time and Increasing Physical Activity of Children and Adults. *Preventive Medicine*, 62:108-112, 2014. doi: 10.1016/j.ypmed.2014.01.018. Epub 2014 Feb 4
103. Lambiase, M.J., J. Dorn, R.C. Thurston and **J.N. Roemmich**. Flow-mediated dilation and exercise blood pressure in healthy adolescents. *Journal of Science and Medicine in Sport*, 17(4):425-429, 2014. doi: 10.1016/j.jsams.2013.05.015. Epub 2013 Jun 25
104. O'Connor, B.C., D.A. Waschbusch, G.A. Fabiano, P.J. Belin, E.M. Gnagy, W.E. Pelham, A.R. Greiner and **J.N. Roemmich**. Effects of a Summer Treatment Program on functional sports outcomes in young children with ADHD. *Journal of Abnormal Child Psychology*, 42(6):1005-1017, 2014. doi: 10.1007/s10802-013-9830-0
105. Feda, D.M. and **J.N. Roemmich**. Effect of Interpersonal and Cognitive Stressors on Habituation and the Utility of Heart Rate Variability to Measure Habituation. *Stress and Health*, 2016 Oct;32(4):320-327. doi: 10.1002/smi.2618. Epub 2014 Nov 13
106. Quattrin, T., **J.N. Roemmich**, R. Paluch, J. Yu, L.H. Epstein and M.A. Ecker. Treatment Outcomes of Overweight Children and Parents in the Medical Home. *Pediatrics*, 134(2):290-297, 2014. doi: 10.1542/peds.2013-4084
107. **Roemmich, J.N.** L. Johnson. Seasonal alterations in park visitation, amenity use and physical activity-Grand Forks, North Dakota, 2012-2013. *Preventing Chronic Disease: Public Health Research, Practice, and Policy*, 11:E155, 2014. doi: 10.5888/pcd11.140175

2015

108. **Roemmich, J.N.**, K.N. Balantekin and J.E. Beeler. Park-Like Campus Settings and Physical Activity. *Journal of American College Health*, 63(1):68-72, 2015. doi: 10.1080/07448481.2014.960421. Epub 2014 Nov 24
109. Feda, D.M., **J.N. Roemmich**, A. Roberts, and L.H. Epstein. Food reinforcement and delay discounting in zBMI-discordant siblings. *Appetite*, 85:185-189, 2015. doi: 10.1016/j.appet.2014.11.023. Epub 2014 Nov 24
110. Claycombe, K.J., **J.N. Roemmich**, L. Johnson, E. DeKrey, and W.T. Johnson. Skeletal muscle Sirt3 expression and mitochondrial respiration are regulated by a prenatal low-protein diet. *Journal of Nutritional Biochemistry*, 26(2):184-189, 2015. doi: 10.1016/j.jnutbio.2014.10.003. Epub 2014 Nov 14
111. Casperson, S.L., J. Sieling, J. Moon, L. Johnson, **J.N. Roemmich**, and L.D. Whigham. A mobile phone food record app to digitally capture dietary intake for adolescent's in a free-living environment: Usability study. *Journal of Medical Internet Research mHealth and Uhealth*, 3(1):e30, 2015. doi: 10.2196/mhealth.3324
112. Claycombe, K.J., E.E. Vomhof-DeKrey, **J.N. Roemmich**, A. Bundy, O. Ghribi, and T. Rhen. Maternal low protein diet causes body weight loss in male, neonate Sprague-Dawley rats involving UCP-1 mediated thermogenesis. *Journal of Nutritional Biochemistry*, 26(7):729-735, 2015. doi: 10.1016/j.jnutbio.2015.01.008. Epub 2015 Mar 14
113. Baek, S., S. Raja, J. Park, L. Epstein, L. Yin, and **J.N. Roemmich**. Park design and children's active play: a microscale spatial analysis of intensity of play in Olmsted's Delaware Park. *Environment and Planning B*, 42:1079-1097, 2015.
114. Feda, D.M., A. Seelbinder, S. Baek, S. Raja, L. Yin and **J.N. Roemmich**. Neighbourhood parks and reduction in stress among adolescents: results from Buffalo, New York. *Indoor and Built Environment*, 24:631-639, 2015. DOI: 10.1177/1420326X14535791.

2016

115. Feda, D.M., A.S. Seelbinder, **J.N. Roemmich**. Habituation to a Stressor Predicts Adolescent Adiposity. *Anxiety, Stress & Coping*, 29(4):457-462, 2016. doi: 10.1080/10615806.2015.1065318. Epub 2015 Jul 21
116. Sanders, G., J. Juvancic-Hertzfel, J. Barkley, **J.N. Roemmich**, D.M. Feda, and M. Williamson. The effect of increasing autonomy through choice on young children's physical activity behavior. *Journal of Physical Activity and Health*, 13(4):428-433, 2016. doi: 10.1123/jpah.2015-0171. Epub 2015 Oct 7
117. Garcia, R.A., K.J. Claycombe, and **J.N. Roemmich**. Evaluation of Markers of Beige Adipocytes in White Adipose Tissue of the Mouse. *Nutrition and Metabolism*, 13:24, eCollection 2016. doi: 10.1186/s12986-016-0081-2.

118. Claycombe, K.J., E.E. Vomhof-DeKrey, R. Garcia, W.T. Johnson, E. Uthus, and **J.N. Roemmich**. Decreased beige adipocyte number and mitochondrial respiration coincide with increased histone methyl transferase (G9a) and reduced FGF21 gene expression in Sprague Dawley rats fed prenatal low protein and postnatal high fat diets. *Journal of Nutritional Biochemistry*, 31:113-121, 2016. doi: 10.1016/j.jnutbio.2016.01.008. Epub 2016 Feb 28
119. Flack, K.D., W.A. Siders, L. Johnson L, and **J.N. Roemmich**. Cross-Validation of Resting Metabolic Rate Prediction Equations. *Journal of the Academy of Nutrition and Dietetics*, 116(9):1413-22, 2016. doi: 10.1016/j.jand.2016.03.018. Epub 2016 Apr 30.
120. Jahns, L.J and **J.N. Roemmich**. Study design for a randomized controlled trial to increase the relative reinforcing value of vegetable consumption using incentive sensitization among obese and overweight people. *Contemporary Clinical Trials*, 50:186-92, 2016. doi: 10.1016/j.cct.2016.08.011. Epub 2016 Aug 24
121. **Roemmich, J.N.** Height-adjustable desks: energy expenditure, liking, and preference of sitting and standing. *Journal of Physical Activity and Health*, 13(10):1094-1099, 2016. doi:10.1123/jpah.2015-0397. Epub 2016 Aug 16
122. Vomhof-DeKrey, E.E., K.J. Claycombe, D. Darland, O. Ghribi, A. Bundy and **J.N. Roemmich**. Maternal low protein diet leads to placental angiogenic compensation via dysregulated M1/M2 macrophages and TNF α expression in Sprague-Dawley rats. *Journal of Reproductive Immunology*, 118:9-17, 2016. doi: 10.1016/j.jri.2016.08.009. Epub 2016 Aug 24

2017

123. Salvy, S-J., D.M. Fedra, L.H. Epstein, and **J.N. Roemmich**. Friends and social contexts as unshared environments: A discordant sibling analysis of obesity- and health-related behaviors in young adolescents. *International Journal of Obesity*, 41(4):569–575, 2017 doi: 10.1038/ijo.2016.213. Epub 2016 Nov 24
124. Flack, K.D., L. Johnson, and **J.N. Roemmich**. Aerobic and Resistance Exercise Reinforcement and discomfort tolerance Predict Meeting Activity Guidelines. *Physiology and Behavior*, 170:32-36, 2017. doi: 10.1016/j.physbeh.2016.11.032. Epub 2016 Nov 24
125. Casperson, S.L., L. Johnson, and J.N. Roemmich. The Relative Reinforcing Value of sweet versus savory Snack Foods after Consumption of Sugar- or Non-Nutritive-Sweetened Beverages. *Appetite*, 112:143-149, 2017. doi: 10.1016/j.appet.2017.01.028 Epub 2017 Jan 23
Listed in 2/03/2017 issue of Obesity and Energetics Offerings a listing of papers that provide important developments in obesity research.
126. Linglin, X., K. Zhang, D. Rasmussen, J. Wang, D.Wu, **J.N. Roemmich**, A. Bundy, W.T. Johnson, and K. Claycombe. Effects of Prenatal Low Protein and Postnatal High Fat Diets on Visceral Adipose Tissue Macrophage Phenotypes and IL-6 Expression in Sprague Dawley Rat Offspring. *PLoS One*, 2017 12(1):e0169581. doi: 10.1371/journal.pone.0169581. eCollection 2017
127. Conrad, Z., L.K Johnson, **J.N. Roemmich**, W.Y. Juan, and L. Jahns. Time trends and patterns of reported egg consumption in the U.S. by sociodemographic characteristics. *Nutrients*. 2017 Mar 28;9(4). pii: E333. doi: 10.3390/nu9040333.
128. Salvy, S-J., D.M. Fedra, L.H. Epstein, and **J.N. Roemmich**. The social context moderates the relationship between neighborhood safety and adolescents' activities. *Preventive Medicine Reports*, 2017 Apr 26;6:355-360. doi: 10.1016/j.pmedr.2017.04.009. eCollection 2017 Jun. PMID: 28491489.
129. Flack, K.D., L. Johnson, and J.N. Roemmich. The reinforcing value and liking of resistance training and aerobic exercise as predictors of adult's physical activity. *Physiology and Behavior*, 2017 Oct 1;179:284-289. doi: 10.1016/j.physbeh.2017.06.016. Epub 2017 Jun 27. PMID: 28663109
130. Casperson, S.L., C. Hall, and **J.N. Roemmich**. Postprandial energy metabolism and substrate oxidation in response to the inclusion of a sugar- or non-nutritive sweetened beverage with standardized meals differing in protein content. *BMC Nutrition*, 2017 July 21. Doi: 10.1186/s40795-017-0170-2.
131. Quattrin, T., Y. Cao, R.A. Paluch, **J.N. Roemmich**, M.A. Ecker, and L.H. Epstein. Cost effectiveness of family-based obesity treatment. *Pediatrics*. 2017 Sep;140(3). doi: 10.1542/peds.2016-2755
132. Casperson, S.L. and **J.N. Roemmich**. Impact of dietary protein and gender on food reinforcement. *Nutrients*. 2017 Aug 30;9(9). doi: 10.3390/nu9090957 PMID: 28867766. PMID: 28842402.
133. Krout, D., A. Schaar, Y. Sun, P. Sukumaran, **J.N. Roemmich**, B Singh, and K.J. Claycombe-Larson. The TRPC1 Ca²⁺-permeable channel inhibits exercise-induced protection against high-fat diet-induced obesity and type II diabetes. *Journal of Biological Chemistry*, 2017 Dec; 15;292(50):20799-20807. doi: 10.1074/jbc.M117.809954. Epub 2017 Oct 26. PMID:29074621

134. Fitzgerald, J. J.S., L. Johnson, G. Tomkinson, Stein, J., L. Bloms, S. Johnson, and **J.N. Roemmich**. Test-retest reliability of jump execution variables using mechanography: A comparison of jump protocols. *Journal of Musculoskeletal and Neuronal Interactions*, 2018 May;36(9):963-969. doi: 10.1080/02640414.2017.1346818. Epub 2017 Jun 26. PMID: 28650736.
135. Conrad, Z., L. Jahns, and **J.N. Roemmich**. Study design for a clinical trial to examine food price elasticity among participants in federal food assistance programs: A laboratory-based grocery store study. *Contemporary Clinical Trials Communications*, 2018 May 7;10:154-160. doi: 10.1016/j.conctc.2018.05.011. eCollection 2018 Jun. PMID:30023450
136. Conrad, Z., L.K. Johnson, **J.N. Roemmich**, W. Juan, and L. Jahns. Nutrient intake disparities in the US: modeling the effect of food substitutions. *Nutrition Journal*. 2018 May 17;17(1):53. doi: 10.1186/s12937-018-0360-z. PMID:29776365.
137. Flack, K.D., K. Ufholz, L. Johnson, J.S. Fitzgerald, and **J.N. Roemmich**. Energy Compensation in Response to Aerobic Exercise Training in Overweight Adults. *American Journal of Physiology. Regulatory, Integrative, and Comparative Physiology*, 2018 Oct 1;315(4):R619-R626. doi: 10.1152/ajpregu.00071.2018. Epub 2018 Jun 13.
138. Krout, D., **J.N. Roemmich**, A. Bundy, R.A. Garcia, L. Yan, and K.J. Claycombe-Larson. Paternal exercise protects mouse offspring from high-fat-diet-induced type 2 diabetes risk by increasing skeletal muscle insulin signaling. *Journal of Nutritional Biochemistry*. 2018 Mar 21;57:35-44. doi: 10.1016/j.jnutbio.2018.03.013. PMID:29669306.
139. **Roemmich, J.N.**, L. Johnson, G. Oberg, J.E. Beeler, and Kelsey Ufholz. Youth and adult visitation and physical activity intensity at rural and urban parks. *International Journal of Environmental Research and Public Health*. 2018 Aug 16;15(8). pii: E1760. doi: 10.3390/ijerph15081760.

140. Ufholz, K., S-J. Salvy, D.M. Feda, L.H. Epstein, and **J.N. Roemmich**. Eating Responses to external food cues in weight discordant siblings. *Journal of Adolescent Health*, 2019 Jul;65(1):155-160. doi: 10.1016/j.jadohealth.2018.12.024. Epub 2019 Mar 21.
141. K.D. Flack, K. Ufholz, S. Casperson, L. Jahns, and **J.N. Roemmich**. Decreasing the consumption of foods with added sugars increases their reinforcing value: A potential barrier for dietary behavior change. *Journal of the Academy of Nutrition and Dietetics*, 2019 Jul;119(7):1099-1108. doi: 10.1016/j.jand.2018.12.016. Epub 2019 Apr 6.
142. Flack, K.D., K. Ufholz, L. Johnson, and **J.N. Roemmich**. Inducing incentive sensitization of exercise reinforcement among adults who do not regularly exercise - a randomized controlled trial. *PlosOne*, 2019 May 7;14(5):e0216355. doi: 10.1371/journal.pone.0216355. eCollection 2019.
143. Schaar, A., Y. Sun, P. Sukumaran, T. Rosenberger, D. Krout, **J.N. Roemmich**, L. Brinbaumer, K. Claycombe-Larson, and B. Singh. Ca²⁺ entry via TRPC1 is essential for cellular differentiation and modulates secretion via the SNARE complex. *Journal of Cell Sciences*, 2019 Jul 1;132(13):jcs231878. doi: 10.1242/jcs.231878.
144. Leitch, B.A., P.B. Wilson, K.E. Ufholz, **J.N. Roemmich**, J. Orysiak, T.J. Walch, S.E. Short, and J.S. Fitzgerald. Vitamin D awareness and intake in collegiate athletes. *Journal of Strength and Conditioning Research*, 2019 Jul 31. doi: 10.1519/JSC.0000000000003240.
145. K. Flack, C. Pankey, K. Ufholz, L. Johnson, and **J.N. Roemmich**. Genetic variations in the dopamine reward system influence exercise reinforcement and tolerance. *Journal of Brain and Behavioral Research*, 2019 Dec 16;375:112148. doi: 10.1016/j.bbr.2019.112148. Epub 2019 Aug 9.
146. Conrad, Z., L.K. Johnson, L. Jahns, and J.N. Roemmich. Food price elasticity by status of participation in federal food assistance programs: A laboratory-based grocery store study. *Current Developments in Nutrition*, 2019 Sep 3; 9: nzz096, <https://doi.org/10.1093/cdn/nzz096>.
147. McGrath, R, S. Stastny, S. Casperson, L. Jahns, **J.N. Roemmich**, and K.J. Hackney. Daily Protein Intake and Distribution of Daily Protein Consumed Decreases Odds for Functional Disability in Older Americans. *Journal of Aging and Health*, 2019 Oct 18;898264319881864. doi: 10.1177/0898264319881864. Online ahead of print.
148. Ufholz, K., K.D. Flack, L. Johnson, and **J.N. Roemmich**. Active video games to promote traditional active play: increasing the reinforcing value of active play among low-active children. *Games for Health Journal*, 2019 Dec 3. doi: 10.1089/g4h.2019.0040. Online ahead of print.

149. Flack, K.D., K. Ufholz, L. Johnson, and J.N. Roemmich. Increasing the Reinforcing Value of Exercise in Overweight Adults. *Frontiers in Behavioral Neuroscience*, 2019 Dec 3;13:265. doi: 10.3389/fnbeh.2019.00265. eCollection 2019.

2020

150. Strahm, A.M., A. Bagne, H. Rued, K.J. Larson, J.N. Roemmich, and C.J. Hilmert. Prenatal traumatic stress and offspring hair cortisol concentration: A nine year follow up to the Red River Flood Pregnancy Study. *Psychoneuroendocrinology*, 2020 Mar;113:104579. doi: 10.1016/j.psyneuen.2019.104579. Epub 2020 Jan 7.
151. Pinoniemi, B.K., G.R. Tomkinson, T.J. Walch, J.N. Roemmich, and John S. Fitzgerald. Temporal Trends in the Standing Broad Jump Test Performance of United States Children and Adolescents. *Research Quarterly for Exercise and Sport*, 2020 Feb 13;1-11. doi: 10.1080/02701367.2019.1710446. Online ahead of print. PMID: 32053474
152. Claycombe-Larson, K., A.N. Bundy, and J.N. Roemmich. Paternal high fat diet and exercise regulate sperm miRNA and histone methylation to modify placental inflammation, nutrient transporter mRNA expression, and fetal weight in a sex-dependent manner. *Journal of Nutritional Biochemistry*, 2020 Jul;81:108373. doi: 10.1016/j.jnutbio.2020.108373. Epub 2020 Mar 19. PMID: 32422425.
153. Casperson, S.L., Z. Conrad, S.K. Raatz, J. Derner, J.N. Roemmich, L. Jahns, and M.J. Picklo. Impact of beef consumption on saturated fat intake in the United States adult population: Insights from modeling the influences of bovine genetics and nutrition. *Meat Science*, Jun 27;169:108225. doi: 10.1016/j.meatsci.2020.108225. Online ahead of print. PMID: 32629167.
154. Smith, K.E., S. O'Connor, T.B. Mason, S. Wang, E. Dzubur, R.D. Crosby, S.A. Wonderlich, S.J. Salvy, D.M. Feda, and J.N. Roemmich. Associations between objective physical activity and emotional eating among adiposity-discordant siblings using ecological momentary assessment and accelerometers. *Pediatric Obesity*, 2020 Sep 2:e12720. doi: 10.1111/ijpo.12720. Online ahead of print. PMID: 32881329.
155. Ufholz, K., S.J. Salvy, D.M. Feda, L.H. Epstein, and J.N. Roemmich. Weight Discordant Siblings' Ability to Reduce Energy Intake at a Meal as Compensation for Prior Energy Intake from Sugar-Sweetened Beverages (SSBs). *Nutrition and Health*, 2020 Oct 12:260106020960990. doi: 10.1177/0260106020960990. Online ahead of print. PMID: 33045926.
156. De Leon, A., J.N. Roemmich, and S.L. Casperson. Identification of barriers to adherence to a weight loss diet in women using the nominal group technique. *Nutrients*, 2020 Dec 6;12(12):3750. doi: 10.3390/nu12123750.
157. Smith, K.E., T.B. Mason, S.M. O'Connor, S. Wang, E. Dzubur, R.D. Crosby, S.A. Wonderlich, S. Salvy, D.M. Feda, and J.N. Roemmich. Bi-directional associations of affect and physical activity in adolescents using ecological momentary assessment: Moderation by weight. *Journal of Pediatric Psychology*, 2020 Dec 14:jsaa121. doi: 10.1093/jpepsy/jsaa121. Online ahead of print. PMID: 33313910.

2021

158. Casperson, S.L., L. Jahns, J.L. Temple, K.M. Appleton and J.N. Roemmich. Consumption of a variety of vegetables to meet Dietary Guidelines for Americans recommendations does not induce sensitization of vegetable reinforcement among adults with overweight and obesity: a randomized controlled trial. *Journal of Nutrition*, 2021 Mar 23:nxab049. doi: 10.1093/jn/nxab049. Online ahead of print. PMID: 33758940.
159. Clemensen, A.K., M.A. Grusak, S.E. Duke, J.R. Hendrickson, J.G. Franco, D.W. Archer, J.N. Roemmich and M.A. Liebig. Perennial forages influence mineral and protein concentrations in annual wheat cropping systems. *Crop Science*, 2021;61:2080–2089. DOI: 10.1002/csc2.20491
160. Epstein, L.H. S. O'Donnell, M. Biondillo, D. Hostler, and J.N. Roemmich. Comparing the reinforcing value of High Intensity Interval Training versus Moderate Intensity Aerobic Exercise in Sedentary Adults. *Physiology and Behavior*, 2021 Sep 1;238:113468. doi: 10.1016/j.physbeh.2021.113468. Epub 2021 May 24.
161. Abildso, C.G., S.M. Daily, M.R. Umstadd Meyer, M.B. Edwards, L. Jacobs, M. McClendon, C.K. Perry, and J.N. Roemmich. Environmental Factors Associated with Physical Activity in Rural US Counties. *International Journal of Environmental Research and Public Health*, 2021, 18, 7688. <https://doi.org/10.3390/ijerph18147688>.
162. Cao, J.J., J.N. Roemmich and L. Jahns. Increasing vegetable intake decreases urinary acidity and bone resorption marker in overweight and obese adults: an 8-week randomized controlled trial. *Journal of Nutrition*, 2021 Nov 2;151(11):3413-3420. doi: 10.1093/jn/nxab255. PMID: 34386816
163. Abildso C.G., C.K. Perry, L. Jacobs, M.R. Umstadd Meyer, M. McClendon, M.B. Edwards, J.N. Roemmich, Z. Ramsey, and M. Stout. What Sets Physically Active Rural Communities Apart from Less Active Ones? A

Comparative Case Study of Three US Counties. *Int J Environ Res Public Health*. 2021 Oct 9;18(20):10574. doi: 10.3390/ijerph182010574. PMID: 34682319

164. Potter, N., G.R. Tomkinson, T. Dufner, T. Walch, **J.N. Roemmich**, P.B. Wilson, and J.S. Fitzgerald. Effects of exercise training on resting testosterone concentrations in insufficiently active men: A systematic review and meta-analysis. *The Journal of Strength and Conditioning Research*, 2021 Dec 1;35(12):3521-3528. doi: 10.1519/JSC.0000000000004146. PMID: 35134000.

2022

165. Claycombe-Larson KJ, Bundy A, Lance EB, Darland DC, Casperson SL, and **Roemmich JN**. Postnatal exercise protects offspring from high-fat diet-induced reductions in subcutaneous adipocyte beiging in C57Bl6/J mice. *Journal of Nutrition Biochemistry*. 2022 Jan;99:108853. doi: 10.1016/j.jnutbio.2021.108853. Epub 2021 Sep 11. PMID: 34517093
166. Schneider-Worthington CR, Smith KE, and **Roemmich JN**, Salvy SJ. External food cue responsiveness and emotional eating in adolescents: A multimethod study. *Appetite*. 2022 Jan 1;168:105789. doi: 10.1016/j.appet.2021.105789. Epub 2021 Oct 30. PMID: 34728251
167. Bukowski, M.R., B.B. Singh, **J.N. Roemmich**, and K.J. Claycombe-Larson. Lipidomic analysis of TRPC1 Ca²⁺ permeable channel-knock out mouse demonstrates a vital role in placental tissue sphingolipid and triacylglycerol homeostasis under maternal high-fat diet. *Frontiers in Endocrinology*, 10 March 2022 | <https://doi.org/10.3389/fendo.2022.854269>.
168. Ufholz, K., K. Flack, and **J.N. Roemmich**. The influence of active video game play upon physical activity and screen-based activities in sedentary children. *PLOS ONE*. 2022 Jun 14;17(6):e0269057. doi: 10.1371/journal.pone.0269057. eCollection 2022. PMID: 35700210.
169. De Leon, A., L. Jahns, **J.N. Roemmich**, S.E. Duke and S.L. Casperson. Consumption of Dietary Guidelines for Americans types and amounts of vegetables increases mean subjective happiness scores: A randomized controlled trial. *Journal of the Academy of Nutrition and Dietetics*, J Acad Nutr Diet. 2022 Jul;122(7):1355-1362. doi: 10.1016/j.jand.2021.11.009. Epub 2021 Nov 15. PMID: 34793989.
170. Casperson S.L., L. Jahns, S.E. Duke SE, A.M. Nelson, K.M. Appleton KM, K.J. Larson KJ, and **J.N. Roemmich**. Incorporating the Dietary Guidelines for Americans Vegetable Recommendations into the Diet Alters Dietary Intake Patterns of Other Foods and Improves Diet Quality in Adults with Overweight and Obesity. *Journal of the Academy of Nutrition and Dietetics*. 2022 Jul;122(7):1345-1354.e1. doi: 10.1016/j.jand.2022.03.008. Epub 2022 Mar 9. PMID: 35278698
171. Claycombe-Larson, K.J., A.N. Bundy, T. Kuntz, J. Hur, K.M. Yeater, S. Casperson, D.C. Brunelle, and **J.N. Roemmich**. Effect of a maternal high fat diet with vegetable substitution on fetal brain transcriptome. *The Journal of Nutritional Biochemistry*. 2022 Oct;108:109088. doi: 10.1016/j.jnutbio.2022.109088. Epub 2022 Jun 10. PMID: 35691591.
172. Casperson S.L., **J.N. Roemmich**, K.J. Larson, J.M. Hess, D.G. Palmer, and L. Jahns. Sensitivity of Pressure-Mediated Reflection Spectroscopy to Detect Changes in Skin Carotenoids in Adults Without Obesity in Response to Increased Carotenoid Intake: A Randomized Controlled Trial. *J Nutr*. 2023 Feb;153(2):588-597. doi: 10.1016/j.tjnut.2023.01.002. Epub 2023 Jan 6. PMID: 36894250
173. Casperson, S.L., A. Scheett, D.G. Palmer, L. Jahns, J.M. Hess, and **J.N. Roemmich**. Biochemical validation of a self-administered carotenoid intake screener to assess carotenoid intake in non-obese adults. *Current Developments in Nutrition*, 2022 Dec 23;7(2):100024. doi: 10.1016/j.cdnut.2022.100024. eCollection 2023 Feb. PMID: 37180085.
174. Pankey, C.L., K. Flack, K. Ufholz, L. Johnson, and **J.N. Roemmich**. Influence of Fat-Free Mass and Resting Metabolic Rate on Increased Food Reinforcement after Exercise Training. *Sport Sciences for Health*, (2022). <https://doi.org/10.1007/s11332-021-00876-y>.

2023

175. Claycombe-Larson, K., B. Singh, A.N. Bundy, D. Brunelle, M.R. Bukowski, and **J.N. Roemmich**. Effects of maternal HF diet and absence of TRPC1 gene on mouse placental growth and fetal intrauterine growth retardation (IUGR). *Journal of Nutritional Biochemistry*, 2023 Apr;114:109162. doi: 10.1016/j.jnutbio.2022.109162. Epub 2022 Oct 13. PMID: 36243380.
176. Nelson A.M., Casperson SL, Jahns L, Palmer DG, Roemmich JN. Seasonal changes in midlife women's percentage body fat: A 1-year cohort study. *JAR Life*. 2022 Jul 1;11:20-25. doi: 10.14283/jarlife.2022.4. eCollection 2022. PMID: 36923232

177. Nelson, A.M. and J.N. Roemmich. Effect of Source on Trust of Pulse Nutrition Information and Perceived Likelihood of Following Dietary Guidance. *Psychology & Health*, 2023 Jul 31:1-13. doi: 10.1080/08870446.2023.2239278. Online ahead of print. PMID: 37522610

Refereed Review Articles (by year)

Each review was peer-reviewed by at least two expert researchers in the field.

1997

1. **Roemmich, J.N.** and A.D. Rogol. Exercise and growth hormone: Does one affect the other? *Journal of Pediatrics*, 131: S75-80, 1997.

1998

2. **Roemmich, J.N.** Alterations in body composition during adolescence. *Current Opinions in Endocrinology and Diabetes*, 5:11-18, 1998.

2000

3. Rogol, A.D., P.A. Clark, and **J.N. Roemmich**. Growth and pubertal development in children and adolescents: Effects of diet and physical activity. *American Journal of Clinical Nutrition*, 72: 521S-528S, 2000.

2001

4. **Roemmich, J.N.**, E.J. Richmond, and A.D. Rogol. Consequences of sport training during puberty. *Journal of Endocrinological Investigation*, 24: 708-715, 2001.
5. Epstein, L.H. and **J. N. Roemmich**. Reducing sedentary behavior: role in modifying physical activity. *Exercise and Sport Science Reviews*, 29: 103-108, 2001.

2002

6. Rogol, A.D., **J.N. Roemmich**, and P.A. Clark. Growth at puberty. *Journal of Adolescent Health*. 31(6 Suppl):192-200, 2002.

2005

7. Veldhuis, J.D., **J.N. Roemmich**, E.J. Richmond, A.D. Rogol, J.C. Lovejoy, M. Sheffield-Moore, N. Mauras, and C.Y. Bowers. Endocrine control of body composition in infancy, childhood and puberty. *Endocrine Reviews*, 26:114-146, 2005.

2006

8. Veldhuis, J.D., **J.N. Roemmich**, E.J. Richmond, and C.Y. Bowers. Somatotrophic and Gonadotrophic Axes Linkages in Infancy, Childhood and the Puberty-Adult Transition. *Endocrine Reviews*, 27(2):101-140, 2006.

2009

9. Epstein, L.H., J.L. Temple, **J.N. Roemmich** and M.E. Bouton. Habituation as a determinant of human food intake. *Psychological Review*, 116(2):384-407, 2009. doi:10.1037/a0015074

2014

10. **Roemmich, J.N.**, M.J. Lambiase, K.N. Balantekin, D.M. Feda and J. Dorn. Stress, Behavior, and Biology: risk factors for cardiovascular diseases in youth. *Exercise and Sports Science Reviews*, 42(4):145-152, 2014. doi: 10.1249/JES.0000000000000027. Review

*A commentary was written to accompany this work: Hickner, R.C. Take flight to reduce cardiovascular disease risk in youth. *Exercise and Sports Science Reviews*, 42:143-144, 2014.

*The schematic diagram of the model developed in the paper was chosen as the cover art.

2016

11. Dhasarathy, A., **J.N. Roemmich**, and K.J Claycombe. Influence of Maternal Obesity, Diet and Exercise on Epigenetic Regulation of Adipocytes. *Molecular Aspects of Medicine*, Mol Aspects Med. 2017;54:37-49. doi: 10.1016/j.mam.2016.10.003. Epub 2016 Nov 4

2020

12. Claycombe-Larson, K.J, T. Alvine, D. Wu, N.S. Kalupahana, N. Moustaid-Mouss, and **J.N. Roemmich**. Nutrients and Immunometabolism: Role of Macrophage NLRP3. *Journal of Nutrition*, 2020 Jul 1;150(7):1693-1704. doi: 10.1093/jn/nxaa085. PMID: 32271912.

Book Chapters and Monographs (by year)

Each chapter was peer-reviewed by at least two expert researchers in the field.

1995

1. **Roemmich, J.N.** and A.D. Rogol. Physiology of growth and development: Its relationship to performance in the young athlete. *Clinics in Sports Medicine*, 14(3):483-502, 1995.

1997

2. **Roemmich, J.N.**, P.A. Clark, and A.D. Rogol. Growth and Hormone Release in Children and Adolescents: Are they Altered by Athletic Training? *Exercise and Fitness-Benefits and Risks, Children and Exercise XVIII*, K. Froberg, O. Lammert, H. St. Hansen, and C.J.R. Blimkie (eds.) Odense University Press, Viborg, Denmark, 1997.

1999

3. **Roemmich, J.N.** and A.D. Rogol. Role of Leptin During Childhood Growth and Development. *Endocrinology and Metabolism Clinics of North America*, 28(4):749-764, 1999.

2000

4. Sundaresan, S.M., **J.N. Roemmich**, and A.D. Rogol. Exercise and the Developing Child: Endocrine Considerations. In: M.P. Warren and N.W. Constantini N, ed. *Contemporary Endocrinology Series*. Totowa NJ:Humana Press, Inc., Chapter 17, pages 303-320, 2000.
5. Rogol, A.D. and **J.N. Roemmich**. Puberty as a growth promoted event. In: Bourguignon JP, Plant TM (eds). *The Onset of Puberty in Perspective Elsevier Science*, Amsterdam, 2000, pp. 97-111.

2001

6. Epstein, L.H., **J. N. Roemmich**, and H. Raynor. Behavioral therapy in the treatment of pediatric obesity. Dennis Styne (Ed) *The Pediatric Clinics of North America. Childhood and Adolescent Obesity*. Philadelphia, W.B. Saunders, 4(4):981-993, 2001.

2003

7. Rogol, A.D. and **J.N. Roemmich**. Pubertal alterations in growth and body composition and neuroendocrine mechanisms. In: Malina RM, Clark MA (editors) *Youth Sports: Perspectives for a New Century*. pp. 40-52, Monterey, CA: Coaches Choice, 2003.

2004

8. **Roemmich, J.N.** and A.D. Rogol. Puberty: Physical Activity and Growth. *Encyclopedia of Endocrine Diseases*, Volume 4, 2004.

2005

9. **Roemmich, J.N.** Growth, Maturation, and Hormonal Changes During Puberty: Influence of Sport Training. *The International Olympic Committee Encyclopaedia of Sports Medicine :The Endocrine System in Sport and Exercise*. Oxford, England, Blackwell Publications, Ltd. pp. 512-524, 2005.

Popular Press Articles

2018

1. Demer, J., D Augustine, M. Boggess, T. Wheeler, L. Kuehn, M. Petersen, R. Waterman, P Gowda, J. Neel, S. Gunter, C. Moffet, M. Picklo, **J. Roemmich**, S. Casperson, L. Jahns, Z. Conrad, J. Vallet, S. Paisley, A, Reynolds, M. Thomas, M. Enns, S. Speidel, and W. Pinchak. Beef production: A grand challenge. *Cow Country*, Fall 2018, pp16-17.

Abstracts/Scientific Conference Presentations by year

1988

1. Park, S.H., **J.N. Roemmich**, C.A. Horswill and D.L. Costill. Seasonal changes in anaerobic power of adolescent wrestlers. *Seoul Olympic Scientific Congress, Dankook University, Cheonan Campus, Seoul Korea*, September, 1988.

1989

2. Horswill, C.A., S.H. Park and **J.N. Roemmich**. Seasonal changes in protein nutritional status of high school wrestlers. *Federation Proceedings*, A662, 1989.
3. **Roemmich, J.N.**, S.H. Park and C.A. Horswill. Effects of weight loss on selected hormones in the adolescent wrestler. *Medicine and Science in Sports and Exercise*, 21:S37, 1989.

1990

4. Proctor, D., W.E. Sinning, T. Quinn, **J.N. Roemmich**, V. Ehrlich and B. Goodpaster. Submaximal responses to upright, recumbent and supine bicycle ergometer exercise. *Medicine and Science in Sports and Exercise*, 22:S12, 1990.

1991

5. **Roemmich, J.N.**, W.E. Sinning and S.R. Roemmich. Seasonal changes in anaerobic power, strength and body composition of adolescent wrestlers. *Medicine and Science in Sports and Exercise*, 23:S29, 1991.

1992

6. **Roemmich, J.N.** and W.E. Sinning. Seasonal changes in body composition, anaerobic power, and strength of adolescent wrestlers and recreationally active controls. Tri-University Exercise Physiology Symposium, The Ohio State University, April 24, 1992.
7. Proctor, D., D. Bredle, **J. N. Roemmich**, and W.E. Sinning. Application of venous occlusion plethysmography to the thigh. *American Physiological Society Conference: Integrative Biology of Exercise*, Denver, CO. 1992.

1993

8. Goodpaster, B., W.E. Sinning, **J.N. Roemmich**, D. Bredle and E. Truitt. The residual effects of alcohol consumption on thermoregulation in heat acclimated males. *Medicine and Science in Sports and Exercise*, 25:S28, 1993.
9. Proctor, D., **J. N. Roemmich**, P.W.R. Lemon and W.E. Sinning. Muscle oxidative potential may not explain aerobic capacity differences between young and older trained men. *Medicine and Science in Sports and Exercise*, 25:S147, 1993.

1994

10. **Roemmich, J.N.** and W.E. Sinning. Wrestling and weight loss: effects on somatic growth. *Medicine and Science in Sports and Exercise*, 26:S211, 1994.

1995

11. **Roemmich, J.N.** and W.E. Sinning. Weight loss in wrestlers: effects on the GH-IGF-I axis. *Medicine and Science in Sports and Exercise*, 27:S216, 1995.

1996

12. **Roemmich, J.N.**, P.A. Clark, A. Weltman, and A.D. Rogol. Relationship between nocturnal growth hormone release and body composition is maturation dependent. *Medicine and Science in Sports and Exercise*, 28:S11, 1996.
13. **Roemmich, J.N.**, R.M. Blizzard, S.D. Peddada, R.M. Malina, A.F. Roche, J.M. Tanner, and A.D. Rogol. Prediction accuracy of adult height from bone age in boys. The American Pediatric Society/The Society for Pediatric Research, Washington, D.C. *Pediatric Research*, p. 97A, 1996.
14. **Roemmich, J.N.**, X. Li, A.D. Rogol, and E.F. Rissman. Sexually dimorphic response in estrogen receptor immunoreactivity in underfed prepubertal mice. *10th International Congress of Endocrinology, San Francisco, CA*, P2-507, p. 531, 1996.
15. **Roemmich, J.N.**, X. Li, A.D. Rogol, and E.F. Rissman. Underfeeding influences tyrosine hydroxylase (TH) and TH plus estrogen receptor immunoreactivities in underfed prepubertal mice. *10th International Congress of Endocrinology, San Francisco, CA*, P2-506, p. 531, 1996.
16. **Roemmich, J.N.**, X. Li, A.D. Rogol, and E.F. Rissman. Time course of the sexually dimorphic response in estrogen receptor immunoreactivity in underfed prepubertal mice. *Society for Neuroscience*, Washington, D.C., 1996.
17. Rogol, A.D. and **J.N. Roemmich**. Role of growth hormone in exercise physiology. *National Cooperative Growth Study, Ninth Annual Study Coordinators Meeting, San Francisco, CA*, 1996.

1997

18. **Roemmich, J.N.**, P.A. Clark, A. Weltman, and A.D. Rogol. Comparison among 2-, 3-, and 4-compartment models of body composition in a pediatric sample. 44th meeting of the American College of Sports Medicine, Denver, CO, *Medicine and Science in Sports and Exercise*, 1997.
19. **Roemmich, J.N.**, P.A. Clark, C. Mantzoros, A. Weltman, J.S. Flier, and A.D. Rogol. Leptin concentrations track changes in total fat mass rather than relative fat in pubertal girls. *European Society for Pediatric Endocrinology and the Lawson Wilkins Pediatric Endocrine Society*, 1997.
20. **Roemmich, J.N.**, P.A. Clark, S.S. Berr, V. Mai, C.S. Mantzoros, J.S. Flier, A. Weltman, and A.D. Rogol. The influence of body composition and fat distribution on leptin concentration is gender and maturation dependent. *Proceedings of the 79th Annual Meeting of the Endocrine Society*, 1997.

21. **Roemmich, J.N.**, A.D. Rogol, J.E. Hale, D.B. Lubahn, and E.F. Rissman. Bone strain independently augments bone mineral in pubertal mice with the disrupted estrogen receptor gene. *19th Annual Meeting of the American Society for Bone and Mineral Research, Cincinnati, OH, 1997.*
- 1998**
22. Huerta, M.G., **J.N. Roemmich**, D. Fort, and A.D. Rogol. Growth hormone (GH) secretion and body composition in childhood survivors of central nervous system (CNS) tumors. *5th International Conference of Complications of Treatment of Children and Adolescents for Cancer, Niagara-on-the-Lake, Ontario, Canada, 1998.*
23. **Roemmich, J.N.**, P.A. Clark, V. Mai, S.S. Berr, A. Weltman, J.D. Veldhuis, and A.D. Rogol. Growth hormone (GH) release is more related to pubertal development than body composition or fat distribution. *45th Meeting of the American College of Sports Medicine, Orlando, FL, 1998.*
24. **Roemmich, J.N.**, P.A. Clark, S.S. Berr, V. Mai, R. Poonawalla, A. Malik, S. Fakhran, C.S. Mantzoros, J.S. Flier, A. Weltman, and A.D. Rogol. Abdominal visceral fat (AVF) is related to energy expenditure, leptin, and fat mass in children and adolescents. *The American Pediatric Society and The Society for Pediatric Research Annual Meeting, New Orleans, 1998.*
25. **Roemmich, J.N.**, P.A. Clark, C.S. Mantzoros V. M. Mai, S.S. Berr, A. Weltman, J.S. Flier, and A.D. Rogol. Longitudinal changes in leptin concentration during puberty are related to changes in to subcutaneous fat and mean nocturnal growth hormone release. *80th Annual Meeting of The Endocrine Society, New Orleans, 1998.*
26. **Roemmich, J.N.**, E.N. Williams, A.D. Rogol, and E.F. Rissman. Influence of underfeeding on tyrosine hydroxylase and estrogen receptor immunoreactivities in prepubertal mice. *80th Annual Meeting of The Endocrine Society, New Orleans, 1998.*
27. Clark, P.A., **J.N. Roemmich**, and A.D. Rogol. Relationship of endogenous growth hormone attributes with bone mineral density in children and adolescents. *80th Annual Meeting of The Endocrine Society, New Orleans, 1998.*
28. **Roemmich, J.N.**, P.A. Clark, S.S. Berr, V. M. Mai, A. Weltman, and A.D. Rogol. Longitudinal changes in growth hormone release, body composition, and body fat distribution are inversely related in children and adolescents. *3rd International Conference of the Growth Hormone Research Society, San Francisco, 1998.*
29. **Roemmich, J.N.**, M.G. Huerta, S.M. Sundaresan, and A.D. Rogol. Changes in body composition, body fat distribution, and energy expenditure in growth hormone deficient children on growth hormone therapy. *3rd International Conference of the Growth Hormone Research Society, San Francisco, 1998.*
30. Sundaresan, S.M., **J.N. Roemmich**, D Fort, and A.D. Rogol. A pilot study of body composition, regional body fat distribution, hormone concentrations, and auxology in survivors of acute lymphoblastic leukemia and non-Hodgkins lymphoma. *Department of Pediatrics 10th Annual Research Day, 1998.*
- 1999**
31. **Roemmich, J.N.**, P.A. Clark, K. Walters, A Weltman, J Patrie, and A.D. Rogol. Total energy expenditure by the seven-day physical activity recall: Validation against doubly labeled water. *46th Meeting of the American College of Sports Medicine, Seattle, WA, 1999.*
32. J.Y. Weltman, **J.N. Roemmich**, L Wideman, J.L. Clasey, A.D. Rogol, M.L. Hartman, M.O. Thorner, and A. Weltman. Body density determination by hydrostatic weighing and air displacement plethysmography in children and adults. *46th Meeting of the American College of Sports Medicine, Seattle, WA, 1999.*
33. **Roemmich, J.N.**, P.A. Clark, A Weltman, J Patrie, and A.D. Rogol. Relation of criterion measures of physical activity energy expenditure to the body composition and fat distribution of children and youth. *Youth Sports in the 21st Century, Michigan State University, East Lansing, MI, May, 1999.*
34. **Roemmich, J.N.**, P.A. Clark, M. Straume, A. Weltman, J.D. Veldhuis and A.D. Rogol. Nocturnal growth hormone release is inversely related to the subcutaneous fat depot and nocturnal leptin release in boys and girls. *81st Annual Meeting of The Endocrine Society, San Diego, CA 1999.*
35. Clark, P.A., B. Olds, R. Morton, S Sheikh, L Howell, M. Eddy, **J.N. Roemmich**, A.D. Rogol, and N. Eid. Growth suppression in children and adolescents with asthma treated with inhaled fluticasone. *81st Annual Meeting of The Endocrine Society, San Diego, CA 1999.*
- 2000**
36. Weltman, A., A.D. Rogol, and **J.N. Roemmich** Estimating total body water (TBW) and fat-free mass (FFM) from multifrequency bioelectrical impedance (MFBI) in children. *47th Meeting of the American College of Sports Medicine, Indianapolis, IN June, 2000.*

37. **Roemmich, J.N.**, L Wideman, J.Y. Weltman, A.D. Rogol, and A. Weltman. Body density by air displacement plethysmography: validation against underwater weighing in the Same Children on Two Occasions. *47th Meeting of the American College of Sports Medicine, Indianapolis, IN* June 2000.
38. **Roemmich, J.N.**, S.M. Perks, M. Sandow-Pajewski, P.A. Clark, E. Thomas, A. Weltman, J. Patrie, and A.D. Rogol. Energy intake by youth/adolescent food frequency questionnaire and 3-day diet record: validation by the doubly labeled water method. *Association for Patient-Oriented Research, Arlington, VA*, March, 2000.
39. **Roemmich, J.N.**, M. Lusk, P.A. Clark, G. Wagner, C.S. Mantzoros, A.L. Weltman, and A.D. Rogol. Fat mass, intramuscular fat, leptin and insulin-like growth factor-I have independent effects on fasting serum insulin concentrations. *82nd Annual Meeting of the Endocrine Society, Toronto, Canada*, June, 2000.
40. **Roemmich, J.N.**, P.A. Clark, G. Wagner, and A.D. Rogol. Pubertal Maturation Regulates the Inverse Relationship Between Adiposity and Growth Hormone Release. *Growth Hormone Research Society, Goteborg, Sweden*, September, 2000.
41. **Roemmich, J.N.**, M. Brunet, A. Friel, A. Ziauddin, A. Weltman, and A.D. Rogol. Reductions in Subcutaneous Fat are Related to Increased Growth Hormone Release in Moderately Obese Prepubertal Boys and Girls. *North American Association for the Study of Obesity, Long Beach, CA* October, 2000.
- 2001**
42. **Roemmich, J.N.**, P.A. Clark, A. Weltman, and A.D. Rogol. Longitudinal changes in total energy expenditure of boys and girls and repeat validation of the Seven-Day Physical Activity Recall against doubly labeled water. *48th Meeting of the American College of Sports Medicine, Baltimore, MD*, June 2001.
43. Richmond, E.J., **J.N. Roemmich**, J.T. Patrie, and A.D. Rogol. Serum lipid and lipoprotein concentrations during puberty: relationships to sex steroids, growth hormone release and body composition. *83rd Annual Meeting of the Endocrine Society, Denver, CO*, June, 2001.
44. **Roemmich, J. N.**, P.A. Clark, C.S. Mantzoros, L.H. Epstein, and A.D. Rogol. Biology of puberty in boys: longitudinal alterations in body fat, leptin, free-testosterone, growth hormone, and height velocity. *83rd Annual Meeting of the Endocrine Society, Denver, CO*, June, 2001.
45. Houlihan, C.M., G. Worley, M. Conaway, **J.N. Roemmich**, A.D. Rogol, M. O'Donnell, R.C. Henderson, R.D. Stevenson, and the North American Growth in Cerebral Palsy Project (NAGCPP). Longitudinal Study of the Progression of Secondary Sexual Characteristics in Children with Cerebral Palsy. *55th Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, Long Beach, CA*, September 2001.
46. **Roemmich, J.N.**, S.M. Wright, and L.H. Epstein. Dietary restraint influences stress-induced eating in children. *North American Association for the Study of Obesity, Quebec City, Ontario*, October, 2001.
- 2002**
47. Gurgol, C.M., **J.N. Roemmich**, P.A. Clark, C.S. Mantzoros, A. Weltman, and A.D. Rogol. Serum leptin concentrations are related to bone mass in youth independently of GH-IGF-I system. *49th Meeting of the American College of Sports Medicine, St. Louis, MO* June 2002.
48. **Roemmich, J.N.**, A.D. Rogol, J.E. Hale, T.R. Nagy, B.A. Gower, D.B. Lubahn, and E.F. Rissman. Exercise augments bone mineral independent of the estrogen receptor-alpha in female mice. *49th Meeting of the American College of Sports Medicine, St. Louis, MO* June 2002.
49. **Roemmich, J.N.**, P.A. Clark, A.L. Weltman, J.D. Veldhuis, and A.D. Rogol. Spontaneous Nocturnal GH Secretion is Reduced and GH Metabolic Clearance is Accelerated in Overweight Youth. *84th Annual Meeting of the Endocrine Society, San Francisco, CA* June, 2002.
50. Huerta MG, **Roemmich JN**, Bovbjerg VE, Holmes VF, Clarke WL, Rogol AD, Nadler JL Association between serum magnesium and insulin sensitivity in obese children. *84th Annual Meeting of the Endocrine Society, San Francisco, CA* June, 2002.
51. Houlihan, C.M., G Worley, M. Conaway, **J.N. Roemmich**, A.D. Rogol, M. O'Donnell, R.C. Henderson, R.D. Stevenson, and the North American Growth in Cerebral Palsy Project (NAGCPP). Longitudinal Study of the Progression of Secondary Sexual Characteristics in Children with Cerebral Palsy. *56th Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, New Orleans, LA*, September 2002.
- 2003**
52. **Roemmich, J.N.**, C.M. Gurgol, and L.H. Epstein. Influence of an interpersonal laboratory stressor on choice to be physically active in youth. *50th Meeting of the American College of Sports Medicine, San Francisco, CA* June 2003.
53. Gurgol, C.M., **J.N. Roemmich**, and L.H. Epstein. Open loop feedback and reinforcement to increase physical activity of youth. *50th Meeting of the American College of Sports Medicine, San Francisco, 2003*.

54. Wright, S.M. **J.N. Roemmich**, J. Richards, and L.H. Epstein. Impulsivity differences between obese and lean adults. *Annual Meeting of the American Psychological Association, Toronto, Ontario* August, 2003.
55. Saad, F.G., L.H. Epstein, L.H., E.A. Handley, **J.N. Roemmich**, and F.K. McSweeney. Habituation of salivation and motivated responding for food in children. *Annual Meeting of the American Psychological Association, Toronto, Ontario, Canada*, August, 2003.
56. **Roemmich, J.N.**, M. Brunet, A.L. Weltman and A.D. Rogol. Degree of Insulin Resistance Predicts Weight Change in Obese Children During Weight Loss Therapy. *85th Annual Meeting of the Endocrine Society, Philadelphia, PA*, June, 2003.

2004

57. Barkley, J.E., **J.N. Roemmich**, C. Kuo, L.H. Epstein, L. Gopalan and C. Gurgol. Predictors of Self-Reported Physical Activity of Children. *51st Meeting of the American College of Sports Medicine, Indianapolis, IN* June 2004.
58. **Roemmich, J.N.**, E.Y. Liu, A.D. Rogol, L.H. Epstein and T. Quattrin. Diminished Insulin Resistance with Weight Loss in Severely Overweight Youth. *86th Annual Meeting of the Endocrine Society, New Orleans, LA*, June, 2004.
59. **Roemmich, J.N.**, P.A. Clark, J. Patrie, A.L. Weltman, and A.D. Rogol. A Longitudinal Assessment of the Alterations in Bone Mineral Content and Apparent Density in Boys and Girls as They Pass Through Puberty. *86th Annual Meeting of the Endocrine Society, New Orleans, LA*, June, 2004.
60. Wrotniak, B.H., L.H. Epstein, R.A. Paluch, and **J.N. Roemmich**. The effect of parent and child adherence on long-term weight loss in family-based behavioral obesity treatment. *NAASO 2004 Annual Scientific Meeting, Las Vegas, NV*, November, 2004.

2005

61. Beecher, M.D., L.H. Epstein, and **J. N. Roemmich**. Substituting Healthy Food Alternatives for High-Energy Dense Food. *Society for Behavioral Medicine, Boston, MA*, April, 2005
62. Leddy, J.J., C. Nugent, **J.N. Roemmich**, R. Salis, and L. H. Epstein Dopamine D2 receptor genotypes and physical activity levels. *52nd Meeting of the American College of Sports Medicine, Nashville, TN* June 2005.
63. Barkley, J.E., **J.N. Roemmich**, C.L. Kuo, L.H. Epstein, T. White, and J. Foster. Validity of OMNI and CERT RPE Scales in Children. *52nd Meeting of the American College of Sports Medicine, Nashville, TN* June 2005.
64. **Roemmich, J.N.**, J. Barkley, L. D'Andrea², M. Nikova², A.D. Rogol, and P.M. Suratt. Reduced Physical Activity And Increased Overweight Following Adenotonsillectomy In Children With Obstructive Sleep Apnea. *52nd Meeting of the American College of Sports Medicine, Nashville, TN* June 2005.
65. Robinson, J.L., J.H. Fuerch, D.D. Winiewicz, **J.N. Roemmich**, and L.H. Epstein. Cost effectiveness of recruitment methods in a prevention trial for young children. *Society of Behavioral Medicine, Boston, MA* March 2005.
66. Robinson, J.L., D.D. Winiewicz, J.H. Fuerch, **J.N. Roemmich**, and L.H. Epstein. Validation of parental estimate versus objective measures of child TV watching and computer usage. *Society of Behavioral Medicine, Boston, MA* March 2005.
67. Epstein, L.H., S. Raja, S.S. Gold, R.A. Paluch, and **J.N. Roemmich**. The neighborhood built environment influences substitution of physical activity for sedentary behavior in youth. *Society of Behavioral Medicine, Boston, MA* March 2005.
68. Beecher, M.D., L.H. Epstein, and **J.N. Roemmich**. Substituting healthy food alternatives for high-energy dense foods. *Society of Behavioral Medicine, Boston, MA* March 2005.
69. **Roemmich, J.N.**, L.H. Epstein, S. Raja, and L. Yin. The built environment: Disparate effects on physical activity and sedentary behaviors in youth. *Association of Collegiate Schools of Planning Annual Conference, Kansas City, MO* October, 2005.
70. Temple, J.L., A. Giacomelli, **J.N. Roemmich**, and L.H. Epstein. Food variety decreases salivary habituation to olfactory food cues. *Society for the Study of Ingestive Behavior, Pittsburgh, PA*, July 2005.
71. Wrotniak, B.H., L.H. Epstein, **J.N. Roemmich**, and R.A. Paluch. The relationship between parent weight change and child weight change from six months to ten years in family-based behavioral weight control treatment. *NAASO 2005 Annual Scientific Meeting, Vancouver, British Columbia*, October, 2005.

2006

72. Barkley, J.E., **J.N. Roemmich**, L.H. Epstein, and J. McNeilis. Reinforcing Value of Interval and Continuous Exercise Above and Below the Ventilatory Threshold. *53rd Meeting of the American College of Sports Medicine, Denver*, June 2006.

73. Suratt, P.M., **J.N. Roemmich**, J. Barkley, L. D'Andrea², M. Nikova², A.D. Rogol, and M.A. Carskadon. Children with obstructive sleep disordered breathing who gain weight after adenonsillectomy have decreases in motor activity and hyperactivity. *American Thoracic Society Annual Meeting*, San Diego, May 2006.
74. Kuperminc, M.N., M.J. Gurka, C.M. Houlihan, R.C. Henderson, **J.N. Roemmich**, A.D. Rogol, and R.D. Stevenson. Longitudinal study of growth velocity and growth hormone release in pubertal children with cerebral palsy compared and healthy children. *American Academy of Cerebral Palsy and Developmental Medicine*, Boston, September, 2006.
75. Houlihan, C.M., M.N. Kuperminc, M.J. Gurka, A.D. Rogol, **J.N. Roemmich**, M.Conaway, R.C. Henderson, and R.D. Stevenson. Longitudinal comparison of the Hormonal influences controlling puberty in children with CP compared to a reference group of normally growing children. *American Academy of Cerebral Palsy and Developmental Medicine*, Boston, September, 2006.
- 2007**
76. **Roemmich, J.N.**, J.E. Barkley, C.L. Lobarinas, L.H. Epstein, J.H. Foster, and T.M. White. Liking and Reinforcing Value: Independent Predictors of Children's Physical Activity. *54th Meeting of the American College of Sports Medicine*, New Orleans, June, 2007.
77. Barkley, J.E., **J.N. Roemmich**, and L.H. Epstein. Validity of a computer task to assess the reinforcing value of interval exercise relative to continuous exercise. *54th Meeting of the American College of Sports Medicine*, New Orleans, June, 2007.
- 2008**
78. Barkley, J.E., **J.N. Roemmich**, E.J. Ryan, D. Bellar, M.V. Bliss and M. Rittenhouse. The Effect of Increasing the Variety of Exercise Equipment on the Physical Activity Level of Children. *55th Meeting of the American College of Sports Medicine*, Indianapolis, IN, June, 2008.
79. Lambiase, M. and **J.N. Roemmich**. The Protective Effect of Exercise Against Cardiovascular Reactivity to an Interpersonal Stressor in Children. *55th Meeting of the American College of Sports Medicine*, Indianapolis, IN, June, 2008.
80. Yin, L. S. Raja, **J.N. Roemmich**, L.H. Epstein, and Xiao Li. Neighborhood for Playing: Using GPS, GIS, and Accelerometer to Assess Children's Playing Environment. *16th International Conference on Geoinformatics and Joint Conference on GIS and Built Environment*, Guangshou, China, June, 2008.
- 2009**
81. Barkley, J.E. and **J.N. Roemmich**. Validity of Two Pediatric RPE Scales for Bicycle Exercise Above and Below the Ventilatory Threshold. *56th Meeting of the American College of Sports Medicine*, Seattle, WA, June, 2009.
82. **Roemmich, J.N.**, T.M. White, R. Paluch, and L.H. Epstein. Energy intake, parental control of children's eating and physical activity in siblings discordant for adiposity. *56th Meeting of the American College of Sports Medicine*, Seattle, WA, June, 2009.
83. M.J. Lambiase, **Roemmich, J.N.**, C.L. Lobarinas, P.N. Joseph, and J. Dorn. Cardiovascular reactivity to psychological stress and carotid intima-media thickness in children. *56th Meeting of the American College of Sports Medicine*, Seattle, WA, June, 2009.
84. Yin, L. S. Raja, **J.N. Roemmich**, L.H. Epstein, and Xiao Li. Assessing children's playing environment: A case study of Erie County, New York. *Association of Collegiate Schools of Planning Conference, Annual Conference*, Crystal City, VA, October, 2009.
- 2010**
85. **Roemmich, J.N.**, S. Raja, L. Yin, L. Epstein, C. Lobarinas, S. Baek, R. Garrity, and R. Paluch, Children's Choices of Park Elements for Physical Activity. *7th Active Living Research Annual Conference*, San Diego, CA, February, 2010.
86. **Roemmich, J.N.**, C.L. Lobarinas, J. Barkley, J.H. Foster, T.M. White, and L.H. Epstein. Use Of Open-loop Feedback And Reinforcement To Increase Physical Activity Of Youth. *57th Meeting of the American College of Sports Medicine*, Baltimore, MD, June, 2010.
87. Feda, D.M., M.J. Lambiase, and J.N. Roemmich. Choice of Active Toys Increases Physical Activity in Children. *University at Buffalo Post-Doctoral Research Symposium*, June, 2010
88. **Roemmich, J.N.**, M.J. Lambiase, D.M. Feda, and J. Dorn. Stress-induced cardiovascular reactivity that predicts atherogenesis in children is dampened by acute exercise. *University of Pittsburgh Mind-Body Center's Summer Institute*, Pittsburgh, PA, June 2010.
89. Barkley, J.E., S-J. Salvy, and **J.N. Roemmich**. The effect of simulated ostracism on physical activity behavior of children. *28th Annual Scientific Meeting of The Obesity Society*, San Diego CA, October, 2010.

90. Yin, L. S. Raja, **J.N. Roemmich**, L.H. Epstein, and X. Li. Accessibility and physical activity: A space-time Model. *Association of Collegiate Schools of Planning Conference Annual Conference*, Minneapolis, MN, October, 2010.

2011

91. **Roemmich, J.N.**, M. Lambiase, T. McCarthy, D. Fedra, and K. Kozlowski. Increasing the Variety of Traditional Active Toys and Exergames to Promote Physical Activity in Children. 8th Active Living Research Annual Conference, San Diego, CA, February, 2011.
92. Quattrin, T., **J.N. Roemmich**, R. Paluch, J. Yu, L.H. Epstein, and M.A. Ecker. Treating pre-school overweight children in the primary care setting: preliminary results of Buffalo Healthy Tots (BHT). *Society For Pediatric Research*, Denver CO, May 2011.
93. Fedra, D.M., M.J. Lambiase, T.F. McCarthy, J.E. Barkley, and **J.N. Roemmich**. Effect of Increasing Toy Variety on Children's Physical Activity. 58th Meeting of the American College of Sports Medicine, Denver, CO, June, 2011.
94. **Roemmich, J.N.**, S. Raja, L. Yin, L. Epstein, C. Lobarinas, S. Baek, and R. Garrity. Environmental and Psychosocial Determinants of Children's Physical Activity When Visiting an Urban Park. 58th Meeting of the American College of Sports Medicine, Denver, CO, June, 2011.
95. Klyczek, M.E., D.M. Fedra, and **J.N. Roemmich**. Stress and Adiposity. *University at Buffalo Honors Day Presentations*, Buffalo, NY, March, 2011.
96. Kashanian, N., Klyczek, M.E., D.M. Fedra, and **J.N. Roemmich**. Stress and Body Mass Index. *University at Buffalo Celebration of Academic Excellence*, Buffalo, NY, March, 2011.
97. Balantekin, K.N. and **J.N. Roemmich**. Psychological Stress and Children's Coping Behaviors: Choices among Food, Physical Activity, and Television. Society for the Study of Ingestive Behaviors, Clearwater, FL, July 2011.
98. Yin, L., S. Raja, H. Huang, **J. Roemmich** and L. Epstein. Built Environment and Physical Activity: Assessing Accessibility in Space-Time Neighborhoods. *Association of Collegiate Schools of Planning Conference Annual Conference*, 2011

2012

99. Fedra, D.M., A. Seelbinder, S. Raja, L. Yin, and **J.N. Roemmich**. Association of park access with usual stress of adolescents. 59th Meeting of the American College of Sports Medicine, San Francisco, CA, June, 2012.
100. Seelbinder, A., D.M. Fedra, J. Dorn, and **J.N. Roemmich**. Stress Habituation and Alterations in Perceived Stress Predict BMI Percentile Changes Across a School Year. 59th Meeting of the American College of Sports Medicine, San Francisco, CA, June, 2012.
101. **Roemmich, J.N.**, D.M. Fedra, A.M. Seelbinder, M.J. Lambiase, and Joan Dorn. Interactive Effects of Stress Reactivity and Usual Stress on Adolescents Cardiovascular Health. 59th Meeting of the American College of Sports Medicine, San Francisco, CA, June, 2012.
102. Juvancic-Heltzel, J.A., G. J. Sanders, M.L. Williamson, **J. N. Roemmich**, D.M. Fedra, and J. E. Barkley. Effect of Level of Autonomy on the Amount of Physical Activity in Young Children. 59th Meeting of the American College of Sports Medicine, San Francisco, CA, June, 2012.
103. Quattrin, T., **J.N. Roemmich**, R. Paluch, J. Yu, L.H. Epstein, and M.A. Ecker. Parent weight change predicts child weight change in family-based weight control for pre-school children conducted in the primary care setting (Buffalo Healthy Tots) *Society For Pediatric Research*, Boston, MA, May 2012.
104. Lambiase, M.J., J. Dorn, and **J.N. Roemmich**. Metabolic and Cardiovascular Adjustments during Psychological Stress and Carotid Artery Intima-Media Thickness in Youth. *Society for Behavioral Medicine, 33rd Annual Meeting & Scientific Sessions*, New Orleans, LA, April 11-14, 2012.
105. Moon, J., J. Sieling, L. D. Whigham, and **J.N. Roemmich**. Multiple input modes for context appropriate diet reporting. *International Society for Behavior Nutrition and Physical Activity Annual Meeting*, Austin, TX, May 23-26, 2012.
106. Fedra, D.M., C. Bennett, A. Tam, L. Little, L.H. Epstein, and **J.N. Roemmich**. Dishabituating properties of cognitive and interpersonal stressors. *The Obesity Society, 30th Annual Scientific Meetings*, San Antonio, TX, Sept 20-24, 2012.
107. **Roemmich, J.N** and the ES526 Graduate Student Research Team. A Built Environment Course Centered on a Quantitative Field Research Experience: Urban Park and College Campus Environments to Promote Physical Activity. 9th Active Living Research Annual Conference, San Diego, CA, March 12-14, 2012.

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108. **Roemmich, J.N.**, S. Raja, L. Yin, L.H. Epstein, C.L. Lobarinas, S. Baek and D.M. Fedra. Park Visitation, Physical Activity, and Adiposity of Urban Youth. *10th Active Living Research Annual Conference*, San Diego, CA, February, 2013.
109. Casperson, S., J. Reineke, J. Sieling, J. Moon, **J. Roemmich**, and L. Whigham. Usability of mobile phone food records to assess dietary intake in adolescents. *Annual Experimental Biology Meeting*, Boston, MS, April 20-24, 2013.
110. **Roemmich, J.N.** Closing the Energy Gap through Passive Energy Expenditure. *Annual Experimental Biology Meeting*, Boston, MS, April 20-24, 2013.
111. Claycombe, K.J. **J.N. Roemmich**, E.O. Uthus, and W.T. Johnson Maternal low protein diets decrease skeletal muscle growth, PGC-1alpha mRNA expression and mitochondrial oxidative respiration and increase obesity and insulin resistance in obesity prone Sprague-Dawley rats. *The Obesity Society, 31st Annual Scientific Meetings*, Atlanta, GA, Nov 11-16, 2013.

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112. **Roemmich, J.N.**, J.E. Beeler, and L. Johnson. A Microenvironment Approach to Increasing Physical Activity. *11th Active Living Research Annual Conference*, San Diego, CA, March 9-12, 2014.
113. **Roemmich, J.N.** Effect of height adjustable desks on standing time, discomfort, and productivity of office workers with sedentary occupations. *Annual Experimental Biology Meeting*, San Diego, CA, April 26-30, 2014.
114. Claycombe, K.J., **J.N. Roemmich**, and W. Thomas Johnson. Maternal low protein diet induces skeletal muscle growth catch-up growth and PGC-1 α while impairing mitochondrial oxidative respiration in obesity prone Sprague-Dawley rats. *Annual Experimental Biology Meeting*, San Diego, CA, April 26-30, 2014.
115. Tande, D.L., S. Stein, A. Kehn, L. D. Whigham, and **J. N. Roemmich**. Relationships between Body Mass Index, Diet, and Activity among Preschoolers and Guardian Characteristics. Academy of Nutrition and Dietetics, The Food and Nutrition Conference and Expo, Atlanta, GA, October 18-21, 2014.
116. Claycombe, K.J., E.E. Vomhof-DeKrey, **J.N. Roemmich**, A. Bundy, O. Ghribi, and T. Rhen. Maternal low protein diet causes body weight loss in male, neonate Sprague-Dawley rats involving UCP-1 mediated thermogenesis. The Obesity Society, 33rd Annual Scientific Meetings, Boston, MA, Nov 2-7, 2014.
117. Claycombe, K.J. E.E. Vomhof-DeKrey, **J.N. Roemmich**, O. Ghribi, T. Rhen, A. Bundy, and P. Bloomberg. Maternal low protein diet causes body weight loss in male, neonate Sprague-Dawley rats involving UCP-1 mediated thermogenesis. UND Epigenetics and Epigenomics Annual Symposium, Grand Forks, ND Oct 2, 2014.
118. Claycombe, K.J., W.T. Johnson, **J.N. Roemmich**, E.E. DeKrey, A. Bundy and P. Bloomberg. Maternal low protein and postnatal high fat diets decrease birth weight and adipose tissue cell numbers while increasing adipose tissue catch-up growth. UND Epigenetics and Epigenomics Annual Symposium, Grand Forks, ND Oct 2, 2014.

2015

119. Claycombe, K.J., E.E. Vomhof-DeKrey, **J.N. Roemmich**, T. Rhen, and O. Ghribi. Maternal low protein diet reduces birth weight and increases brown adipose tissue UCP-1 and FNDC5 gene expression in male neonatal Sprague-Dawley rats. *Annual Experimental Biology Meeting*, Boston, MA, 2015.
120. Garcia, R.A.G., Claycombe, K.J., and **J.N. Roemmich**. Endocrine Modulators of Mouse Subcutaneous Adipose Tissue Beige Adipocyte Markers. *Annual Experimental Biology Meeting*, Boston, MA, 2015.
121. Tande, D.L., A. Kehn, L.D. Whigham, and **J.N. Roemmich**. Relationship of nutritional risk, body mass index, and cognitive functioning in preschoolers. *Annual Experimental Biology Meeting*, Boston, MA, 2015.
122. **Roemmich, J.N.** and L.K. Johnson. Visitation and physical activity intensity at rural and urban parks. *Annual Experimental Biology Meeting*, Boston, MA, 2015.
123. Claycombe, K.J., E.E. Vomhof-DeKrey, **J.N. Roemmich**, T. Rhen, and O. Ghribi. Maternal low protein diet-induced low birth weight in male, neonate Sprague-Dawley rats is mediated by altered brown adipose tissue thermogenesis. Beige and Brown Fat: Basic Biology and Novel Therapeutics, Snowbird, Utah, April 17—22, 2015.
124. Whigham, L.D., A. Redelfs, A. Kehn, **J.N. Roemmich**, and D.L. Tande. Parent, but not teacher, weight bias correlates with nutritional risk in preschool children. The Obesity Society, Nov. 2 - 7, Los Angeles, CA, 2015.

125. Claycombe, K.J., E. DeKrey, and **J.N. Roemmich**. The epigenetics of obesity: role of diet and exercise on adipose, skeletal muscle, and placental tissue metabolism. The Korean Nutrition Society Annual Conference, November 5-6, 2015, Seoul, South Korea.

2016

126. Vomhof-DeKrey, E., **J.N. Roemmich**, and K. Claycombe. Maternal low protein diet leads to placental angiogenic compensation via dysregulated M1/M2 macrophages and TNF α expression in Sprague-Dawley rats. *Annual Experimental Biology Meeting*, San Diego, CA, April, 2016.
127. Claycombe, K.J., E.E. Vomhof-DeKrey, R. Garcia, W.T. Johnson, E. Uthus, and **J.N. Roemmich**. Decreased beige adipocyte number and mitochondrial respiration coincide with reduced FGF21 gene expression in Sprague Dawley rats fed prenatal low protein and postnatal high fat diets. *Annual Experimental Biology Meeting*, San Diego, CA, April, 2016.
128. Garcia, R.A., **J.N. Roemmich**, and K.J. Claycombe. Evaluation of markers of beige adipocytes in white adipose tissue of the mouse. Keystone Symposium on Molecular and Cellular Biology: Obesity and Adipose Tissue Biology, Banff, Alberta, CA, February 2016.
129. Flack, K.D., W.A. Siders, L. Johnson, and **J.N. Roemmich**. Cross-validation of recent and longstanding resting metabolic rate prediction equations. *Annual Experimental Biology Meeting*, San Diego, CA, April, 2016.
130. Casperson, S.L., L. Johnson, and **J.N. Roemmich**. The relative reinforcing value of snack foods in response to consumption of sugar- or non-nutritive-sweetened beverages. *Annual Experimental Biology Meeting*, San Diego, CA, April, 2016.
131. Stein, J., L. Johnson, **J.N. Roemmich**, G. Tomkinson, L. Bloms, S. Johnson, and J.S. Fitzgerald. Test-retest reliability of jump execution variables using mechanography: A comparison of jump protocols. American College of Sports Medicine 63rd *Annual Meeting, 7th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Energy Balance*, Boston, MA, May 30-June 3, 2016.
132. Casperson, S.L., C. Hall, and **J.N. Roemmich**. Sugar-sweetened beverages decrease postprandial fat utilization in healthy weight adults after consuming test meals with different protein content. *The Obesity Society*, New Orleans, LA, November, 2016.

2017

133. Larson, K.J., E. DeKrey, and **J.N. Roemmich**. Nutrition, genetic programming, and immunometabolism. *Federation of American Societies for Experimental Biology: Immunological Aspects of Obesity, July 31-August 5, 2016, Big Sky, MT*.
134. Jahns, L., Z. Conrad, L.K. Johnson, **J.N. Roemmich**, and W.Y. Juan. Time Trends and patterns of reported egg consumption in the U.S. by sociodemographic characteristics. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
135. Jahns, L., L.K. Johnson, J. Temple, N. Keim, S. Casperson, and **J.N. Roemmich**. The reinforcing value of vegetables does not increase with repeated exposure during a randomized controlled provided vegetable intervention among overweight and obese adults. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
136. Casperson, S.L. L. Johnson, and **J.N. Roemmich**. Sex Differences in Food Reinforcement in Response to Increasing Dietary Protein. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
137. Jahns, L., Z. Conrad, L.K. Johnson, J. Temple, N. Keim, and **J.N. Roemmich**. Substitution or addition? How overweight and obese adults incorporate vegetables into their diet during a randomized controlled vegetable feeding trial. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
138. Conrad, Z., L.K. Johnson, W.Y. Juan, **J.N. Roemmich**, and L. Jahns. Nutrient inadequacy among nutritionally vulnerable populations in the US. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
139. Flack, K.D., S. Casperson, L. Jahns, and **J.N. Roemmich**. Reducing added sugar intake increases the relative reinforcing value of high-sugar foods. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
140. **Roemmich, J.N.**, K. Flack, L. Johnson, and K. Ufholz. Increasing Discomfort Tolerance Predicts Incentive Sensitization of Exercise Reinforcement: Preliminary Results from a Randomized Controlled Intervention to Increase the Reinforcing Value of Exercise in Adults. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
141. Claycombe, K.J., D. Krout, R.A. Garcia, and **J.N. Roemmich**. Both paternal exercise and healthy diet are required to protect offspring from high fat diet-induced obesity and type 2 diabetes risk in mice. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.

142. Schaar, A., D. Krout, **J.N. Roemmich**, K. Larson, and B.B. Singh. Modulations of calcium in adipose tissue by TRPC1: a key player in obesity. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
143. Krout, D., A. Schaar, B. Singh, **J.N. Roemmich**, and K.J. Claycombe-Larson. Transient receptor potential canonical channel-1 (TRPC1) KO mice that exercise are protected from high-fat diet-induced obesity and type 2 diabetes risk. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.
144. Fitzgerald, J.S., B.A. Leitch, P.B. Wilson, T.J. Hastmann, S.E. Short, K. Ufholz, and **J.N. Roemmich**. Vitamin D awareness and intake in collegiate athletes. American College of Sports Medicine 64th Annual Meeting, 8th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Exercise and the Brain, Denver, CO, May 30-June 3, 2017.
145. Ufholz, K., S.J. Salvy, D.M. Fedra, L.H. Epstein and **J.N. Roemmich**. Eating responses to external food cues and internal satiety signals in weight discordant siblings. *38th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine*, San Diego, CA, March 29-April 1, 2017.
146. Casperson, S.L. and **J.N. Roemmich**. Gender specific effects of changes in meal composition on snack food reinforcement. *Society for the Study of Ingestive Behavior Annual Meeting, Montreal, Canada, July 17-23, 2017*.
147. Schaar, A., P. Sukumaran, Y. Sun, D. Krout, **J. Roemmich**, K. Claycombe-Larson and B. Singh. Regulating calcium in adipose tissue: a novel view on adipokines and obesity. *Cell Symposia: Metabolic Disease Therapeutics*, San Diego, CA, October 15-17, 2017.
- 2018**
148. Ufholz, K., K. Flack, and **J.N. Roemmich**. Even a little exercise increases motivation to be more physically active: self-determination theory and exercise dosage. *Society for Behavioral Medicine Annual Meeting*, New Orleans, LA, April 11-14, 2018.
149. Ufholz, K., K. Flack, and **J.N. Roemmich**. Exercise preference and tolerance as mediators between exercise motivations and behavior. *Society for Behavioral Medicine Annual Meeting*, New Orleans, LA, April 11-14, 2018.
150. Schaar, A. P. Sukumaran, Y. Sun, D. Krout, **J. N. Roemmich**, K. Claycombe-Larson, and B. Singh. From adipose tissue to muscle: calcium regulates adiponectin on multiple fronts. *Keystone Symposia, Bioenergetics and Metabolic Disease*, Keystone CO, January 21-25, 2018.
151. De Leon, A., L. Jahns, **J.N. Roemmich**, and S. Casperson. Fixed dietary carotenoid intake, weight loss, and skin carotenoid level. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
152. Conrad, Z., A. Carlson, L. Jahns, and **J.N. Roemmich**. A novel food pricing tool to examine the cost of making healthier food choices among low-income Americans. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
153. Larson, K., A. Bundy, M. Rustin, and **J.N. Roemmich**. Offspring exercise differentially regulates subcutaneous adipose tissue beige adipocyte numbers and G9a protein expression in C57Bl6/J mice fed a maternal high fat diet. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
154. Larson, K.J., A. Bundy, D. Darland, J. Hur, A. Dhasarathy, D. Perley, A. Scheidegger, L. Johnson, D.P. Krout, and **J.N. Roemmich**. Obesity during human pregnancy is associated with altered placental tissue structure and RBMS1 mRNA expression. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
155. Krout, D.P., M.R. Bukowski, D.M. Klurfeld, G. Solano-Aguilar, M. Curic-Bawden, **J.N. Roemmich**, and K.J. Claycombe-Larson. Probiotic Supplementation provides a protective mechanism to the fetus and placenta in mid-gestation mothers fed a high-fat diet. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
156. Jahns, L., L. Johnson, Z. Conrad, and **J.N. Roemmich**. Skin carotenoid status is an effective tool to measure compliance with an intervention to increase vegetable intake among overweight and obese adults. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
157. Jahns, L., L. Johnson, S. Casperson, and **J.N. Roemmich**. The reinforcing value of vegetables does not increase during a randomized controlled intervention among overweight and obese adults. *ASN Nutrition 2018*, Boston, MA, June 9-12, 2018.
158. Abildso, C., M.R. Umstadd-Meyer, M. Edwards, C. Perry, M. McClendon, and **J.N. Roemmich**. Rural physical activity: positive deviants in the USA and methods for understanding policy and environmental explanations. *Active Living Research 2018*, Banff, Alberta, Canada, February 11-15, 2018.
159. Claycombe-Larson, K.J., D. Krout, D. Klurfeld, G. Solano-Aguilar, M. Curic-Bawden, M.R. Bukowski, and **J.N. Roemmich**. Probiotic supplementation prevents maternal high fat diet-induced IL-6 mRNA expression and placental weight reduction in a gestational age-dependent manner. *Gut Health, Microbiota & Probiotics*

Throughout the Lifespan: Dietary Influences, Harvard Medical School in Boston, Massachusetts, October 10-11, 2018.

2019

160. Ufholz, K., K. Flack, L. Johnson, and **J.N. Roemmich**. Video games, active video games, and active sports: changes in motivation for active play among sedentary children. *Society for Behavioral Medicine Annual Meeting*, Washington, DC, March 6–9, 2019.
161. Conrad, Z., L.K. Johnson, L. Jahns, and **J.N. Roemmich**. Food price elasticity by status of participation in federal food assistance programs: A laboratory-based grocery store study. *ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019).
162. Alvine, T.D., A. Dhasarathy, A.N. Bundy, A. Bhattacharya, D. Darland, J. Hur, D. Perley, LuAnn Johnson, M. Rusten, **J.N. Roemmich**, and K.J. Claycombe-Larson. RBMS1 methylation and mRNA expression are differentially regulated in placenta tissue from obese women. *ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019)
163. K. Flack, C. Pankey, K. Ufholz, and **J.N. Roemmich**. Genetic Variations in the Dopaminergic Reward System are Associated with Exercise Reinforcement. *ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019)
164. Pankey, C.L., K. Flack, K. Ufholz, L. Johnson, and **J.N. Roemmich**. Reconsidering the Energy Homeostasis Hypothesis. The Proposed Role of Fat-Free Mass and Resting Metabolic Rate in the Drive for Increased Energy Intake After Weight Loss. *ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019)
165. Claycombe-Larson, K.J., A.N. Bundy, T.D. Alvine, E.B. Lance, and **J.N. Roemmich**. Offspring exercise modulates subcutaneous adipose tissue beige adipocyte numbers through differential regulation of histone lysine methyltransferase G9a and demethylase KDM4C expression in C57Bl6/J mice fed a maternal high fat diet. (*ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019).
166. Claycombe-Larson, K.J., D.P. Krout, T.D. Alvine, H. Zeng, A.N. Bundy, D.M. Klurfeld, G.Solano-Aguilar, M.R. Bukowski, S.N. Meydani, and **J.N. Roemmich**. Probiotic Supplementation Regulates Placental and Fetal Development in C57BL6/J Mice. (*ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019).
167. Claycombe-Larson, K.J., A.N. Bundy, T.D. Alvine, and **J.N. Roemmich**. Paternal High Fat Diet and Exercise Differentially Regulate Placental Development and Inflammation in a Sex-Specific Manner in C57BL6/J Mice. (*ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019).
168. De Leon, A., **J.N. Roemmich**, and S.L. Casperson. Responses on the Three Factor Eating Questionnaire Restraint and Disinhibition Scales Change after a Controlled Energy-Restricted Diet. (*ASN Nutrition 2019*, Baltimore, MD, June 9-12, 2019).
169. Abildso, C., C.K. Perry, L. Jacobs, M.R. Umstattd Meyer, M. McClendon, M.B. Edwards, and **J.N. Roemmich**. Rural Physical Activity: A Comparative Case Study of Positive Deviant US Counties. *American Public Health Association 2019*, Philadelphia, PA, November 2-6, 2019.
170. Alvine, T.D., A. Dhasarathy², A.N. Bundy, A. Bhattacharya, D. Darland, J. Hur, D. Perley, LuAnn Johnson¹, M. Rusten, **J.N. Roemmich**, and K.J. Claycombe-Larson. Obesity-dependent regulation of human placental RBMS1 gene expression and anti-inflammatory effects of recombinant RBMS1 protein. *Keystone Symposia meeting on Immunometabolism, Metaflammation and Metabolic Disorders*, Vancouver, British Columbia, Canada, April 14—18, 2019.
171. Flack, K., K. Ufholz, L. Johnson, and **J.N. Roemmich**. Does the Dopamine Hypothesis of Reward Apply to Exercise? *Obesity Week 2019*, The Obesity Society Las Vegas, NV, November 3-7, 2019.

2020

172. Potter, N.J., T. Dufner, G.R. Tomkinson, T. Walch, **J.N. Roemmich**, P.B. Wilson, and J.S. Fitzgerald. Effects of Exercise Training on Basal Testosterone Concentrations in Men: A Systematic Review and Meta-Analysis. *University of North Dakota Graduate Research Achievement Day*, Grand Forks, ND, March 5, 2020.
173. De Leon, A., **J.N. Roemmich**, and S.L. Casperson. Barriers to Adherence to a Weight Loss Diet Using the Nominal Group Technique. *ASN Nutrition 2020*, Seattle WA, May 30-June 2, 2020.
174. Casperson, S.L., Z. Conrad, S.K. Raatz, J. Derner, **J.N. Roemmich**, L. Jahns, and M.J Picklo. Impact of beef consumption on saturated fat intake in the United States adult population: insights from modeling the influences of bovine genetics and nutrition. *ASN Nutrition 2020*, Seattle WA, May 30-June 2, 2020.
175. Cao, J.J., **J.N. Roemmich**, and L. Jahns. Increased vegetable consumption decreases urinary acid excretion and serum bone turnover in overweight and obese adults: an 8-wk randomized controlled community-based intervention trial. *ASN Nutrition 2020*, Seattle WA, May 30-June 2, 2020.

176. Claycombe-Larson, K., A.N. Bundy, and **J.N. Roemmich**. Paternal high fat diet and exercise regulate sperm miRNA and histone methylation to modify placental inflammation, nutrient transporter mRNA expression, and fetal weight in a sex-dependent manner. *ASN Nutrition 2020*, Seattle WA, May 30-June 2, 2020.
177. Larson, K., A.N. Bundy, O. Ghribi, L.E. Black, D. Darland, and **J.N. Roemmich**. Maternal High Fat Diet Regulates Placental and Offspring Brain Pleiotrophin (PTN) and Offspring Beige Adipocyte Numbers by Histone Methylation Status in C57Bl6/J Mice. *Keystone Symposia on Maternal-Fetal Crosstalk*, Keystone, CO, June 7-11, 2020.
178. Casperson, S.L., C. Hall, A. DeLeon, K. Larson, and **J.N. Roemmich**. Effect of daily protein and energy distributions on fat oxidation and metabolic rate as measured by whole-room calorimeter” that was to be presented at *Recent Advances & Controversies in the Measurement of Energy Metabolism-2020*, October 22-25, 2020, Québec City, Québec, Canada.
179. Kuehn, L.A., S. L. Casperson, J. D. Derner, S. A. Gunter, E. Hay, C. A. Moffet, J. P. Neel, M. J. Picklo, **J. N. Roemmich**, K. E. Turner, R. C. Waterman, T. L. Wheeler, M. V. Boggess. Current progress in the Agricultural Research Service Beef Grand Challenge: a large-scale genetics by environment by management evaluation project. *American Society of Animal Science Meeting*, Madison, WI, July 19-23, 2020
180. Abildso, C., M.R. Umstatted Meyer, C. Perry, M.B. Edwards, M. McClendon, **J. Roemmich**, and S. Daily. Plenary: Physical Determinants of Rural Health: Addressing the Natural and Built Environments and Environmental Justice in Communities. *2020 Public Health Ethics Forum: Ethical Dilemmas in Rural Health. Office of Minority Health and Health Equity, Centers for Disease Control and Prevention; and National Center for Bioethics in Research and Health Care at Tuskegee University*. September 11, 2020. Virtual meeting.
181. Jahns, L. D. Osowski, Z. Conrad, and **J.N. Roemmich**. The own-price elasticity of vegetable purchases varies by federal food assistance program participation during a laboratory-based grocery shopping task. *ASN Nutrition 2020*, Virtual meeting.

Due to the COVID-19 pandemic the following accepted 2020 presentations were not given:

- Strahm, A., A. Bagne, H.A. Rued, K. Larson, J.N. Roemmich, and C. Hilmert. Prenatal traumatic stress and offspring hair cortisol concentration: A nine year follow up to the Red River Flood Pregnancy Study. *American Psychosomatic Society Annual Meeting*, Long Beach, California, Cancelled.
- Ufholz, K., K. Flack, and J.N. Roemmich. The impact of active video game play upon time spent in physical activity and screen-based activities in sedentary children. *Society for Behavioral Medicine Annual Meeting*, San Francisco, CA, Cancelled.
- Epstein, L.H., S. O'Donnell, K.A. Carr, M.J. Biondolillo, D. Hostler, and **J.N. Roemmich**. HIIT training has higher reinforcing value than moderate intensity aerobic exercise for sedentary adults. *Association for Psychological Science Annual Convention*, Chicago IL, Cancelled.

2021

183. O'Connor, S., K.E. Smith, R.D. Crosby, S.A. Wonderlich, S.J. Salvy, and J.N. Roemmich. Differential effects of family eating- and exercise-related messages on adolescents' dietary intake and activity level by weight status: a discordant sibling analysis. *International Conference on Eating Disorders, hosted by the Academy for Eating Disorders 2021*, Virtual meeting.
184. Larson, K.J., A.N. Bundy, **J.N. Roemmich**, and B.B. Singh. Absence of TRPC1 Ca²⁺-permeable channel causes placental and fetal growth restriction in mice. *ASN Nutrition 2021*, Virtual meeting.
185. De Leon, A., L. Jahns, **J.N. Roemmich**, and S.L. Casperson. Consumption of Dietary Guidelines for Americans types and amounts of vegetables increases subjective happiness: A randomized controlled trial. *ASN Nutrition 2021*, Virtual meeting.

2022

186. Kalscheur, K., S. Gunter, D. Gossard, C. Moffet, M. Schuppenhoaur, M. Graham, S. Hamilton, M. Bukowski, **J. Roemmich**, T. Thelen, and L. Gardner. Effect of six macroalgal species on in vitro methane production in a lactating dairy cow diet. *8th International Greenhouse Gas and Animal Agriculture Conference*, Orlando FL, June 5-10, 2022.
187. Gunter, S., K. Kalscheur, D. Gossard, C. Moffet, M. Schuppenhoaur, M. Graham³, S. Hamilton, M. Bukowski, **J. Roemmich**, T. Thelen, and L. Gardner. Macroalgae harvested near the California coast and

their methane mitigation of a forage diet. *8th International Greenhouse Gas and Animal Agriculture Conference*, Orlando FL, June 5-10, 2022.

188. Bukowski, M.R., **J.N. Roemmich**, B.B. Singh, and K.J. Larson. Lipidomic analysis of TRPC1 Ca²⁺ permeable channel-knock out mouse demonstrates a vital role in sphingolipid and triacylglycerol homeostasis under high-fat diet. Virtual *The American Oil Chemists' Society (AOCS) 2022 Annual Meeting*, Atlanta, GA, May 1-4, 2022.
189. De Leon, A., **J.N. Roemmich**, and S.L. Casperson. Consuming 30g of protein at each of 3 meals daily improves diet satisfaction and promotes eating behaviors that support weight loss in women consuming an energy restricted diet. *American Society for Nutrition 2022*, Virtual meeting.
190. Brunelle, D.C., N. Redvers, K. Larson, A. Bundy, **J. Roemmich**, and D. Warne. Chokeberry reduces inflammation in human pre-adipocyte cells. *ASN Nutrition 2022*, Virtual meeting.
191. Nelson, A.M., and **J.N. Roemmich**. Effect of source on perceptions of pulse nutrition information. *American Society for Nutrition 2022*, Virtual meeting.
192. Casperson, S.L., **J.N. Roemmich**, K. Larson, J.M. Hess, and Lisa Jahns. Sensitivity of pressure-mediated reflection spectroscopy to detect dose-dependent changes in skin carotenoids: A randomized controlled trial. *American Society for Nutrition 2022*, Virtual meeting.

2023

193. De Leon, A., **J.N. Roemmich**, and S.L. Casperson. Change in skin carotenoid status is associated with changes in body Composition during moderate weight loss in women. *American Society for Nutrition 2023*, Boston, MA, July 22-25, 2023.
194. Brunelle, D.C., K. Larson, A.N. Bundy, **J.N. Roemmich**, D. Warne, and N. Revers. Chokeberry reduces inflammation in human preadipocytes. *American Society for Nutrition 2023*, Boston, MA, July 22-25, 2023.
195. Brunelle, D.C., K. Larson, A.N. Bundy, **J.N. Roemmich**, J. Steele, D. Warne, and N. Revers. Chokeberry reduces inflammation in the buffy coat of American Indians and in isolated human preadipocyte cells. *NIH workshop "Advancing Health Equity Through Culture-Centered Dietary Interventions to Address Chronic Diseases"* September 28-29, 2023.
196. Hess, J.M., M. Comeau, A.D. Magnuson, B. Sandford, J. Aliano, S. Kimball, D. Palmer, D. Brunelle, and **J.N. Roemmich**. Pilot study protocol- application of non-invasive vitamin D hair test and screening e-tool for Indigenous populations in the Great Northern Plains. *American Society for Nutrition 2023*, Boston, MA, July 22-25, 2023.
197. Hess, J.M., M. Comeau, J. Burboun, A. Scheet, D.L. Fossum, M.J. Peltier, E. Kitzes, C. Fredrichsen, L. McDonald, D. Brunelle, and **J.N. Roemmich**. Creating a nutrient-dense menu using Indigenous foods for use in dietary intervention trial: A study protocol. *American Society for Nutrition 2023*, Boston, MA, July 22-25, 2023.
198. Hess, J.M., M. Comeau, J. Burboun, A. Scheet, D.L. Fossum, M.J. Peltier, E. Kitzes, C. Fredrichsen, L. McDonald, D. Brunelle, and **J.N. Roemmich**. Multidisciplinary collaboration for development of culturally appropriate local, traditional Indigenous dietary intervention. *American Society for Nutrition 2023*, Boston, MA, July 22-25, 2023.

Invited Presentations/Invited Symposia/Expert Panel Discussions by year

1998

1. **Invited Presentation.** Body Composition, Body Fat Distribution, and Hormone Release in Children and Adolescents. Nemours Children's Clinic, Jacksonville, FL, August 1998

1999

2. **Invited Presentation.** Pediatric Obesity: Measurement Issues and Relationship of Adiposity to Hormone Secretion and Energy Expenditure. Mary Imogene Bassett Research Institute, Cooperstown, NY. Aug, 1999

2000

3. **Invited Presentation.** Nutrition-Hormone Interactions in Children and Adolescents. Florida State University, Tallahassee, FL, February, 2000.
4. **Invited Presentation.** Nutrition-Hormone Interactions in Children and Adolescents. University of New Mexico, Albuquerque, NM, April, 2000.

5. **Invited Presentation.** Nutrition-Hormone Interactions in Children and Adolescents. Research seminar for the Department of Physical Therapy, Exercise, and Nutrition Sciences. September 22, 2000.
 6. **Invited Presentation.** Interactions Among Body Composition, Body Fat Distribution and Hormone Secretion in Youth. University at Buffalo, Department of Pediatrics, Grand Rounds, October 13, 2000.
 7. **Symposium.** Biomechanics of Musculoskeletal Injuries in Young Athletes: Growth and Developmental Issues. 47th Meeting of the American College of Sports Medicine, Indianapolis, IN June 2000.
- 2002
8. **Symposium.** Insulin Resistance Syndromes. The Leptin-Insulin Axis in Puberty. *Pediatric Academic Societies' Annual Meeting, Baltimore, MD* May, 2002.
- 2003
9. **Invited Presentation.** Causes, Consequences, and Treatment of Childhood Obesity. University of Findley, Fall Research Forum, October 16, 2003.
 10. **Invited Presentation.** Childhood Obesity: A Growing Epidemic. VA Western New York Healthcare System. November 19, 2003.
- 2006
11. **Invited Presentation.** Association of Parks and Recreation Facilities with the Physical Activity of Youth. University at Buffalo School of Architecture and Planning. Interdisciplinary Seminar on Health and the Built Environment, Clarkson Week 2006. March 23, 2006.
 12. **Invited Presentation.** Health Behaviors in Youth. University at Buffalo School of Medicine. Department of Pediatrics, NHLBI Minority Student Program. July 14, 2006.
- 2007
13. **Invited Presentation.** Environmental Influences on Health Behaviors of Children. University at Buffalo School of Medicine. Department of Pediatrics, NHLBI Minority Student Program. June 8, 2007.
 14. **Invited Presentation.** Obesity in Youth and Adults, Prevalence and Prevention. Grand Forks Human Nutrition Research Center, United States Department of Agriculture, Agriculture Research Service, Grand Forks, ND, September 10, 2007.
- 2009
15. **Symposium.** Playgrounds, Parks, and Physical Activity: Active Living Research and Child Development. Parks and Recreational Facilities and the Physical Activity of Youth. Society for Research in Child Development, Denver, CO, April 4, 2009.
 16. **Expert Panel Discussion.** NIH Gene and Environment Initiative 3 Gs workshop (GPS, GIS, & Genes) for grantees funded to measure physical activity, diet, and psychosocial stress with a common element of better measurement using GPS. Participated in a discussion of the challenges of collecting global positioning system data.
 17. **Invited Presentation.** Behavioral and Biological Pathways Between Stress and Health in Children. University at Buffalo School of Public Health. Department of Exercise and Nutrition Sciences. December 4, 2009.
- 2010
18. **Invited Roundtable Discussion.** Children and Physical Activity - Measurement Approaches. Active Living Research Conference, San Diego, CA, February 10, 2010.
 19. **Invited Presentation.** Behavioral and Biological Pathways Between Stress and Health in Children. University at Buffalo, Department of Pediatrics, Grand Rounds, June 8, 2010.
 20. **Invited Presentation.** Increasing Physical Activity of Youth: Home- and Built-Environment Approaches. Grand Forks Human Nutrition Research Center, United States Department of Agriculture, Agriculture Research Service, Grand Forks, ND, November 16, 2010.
- 2011
21. **Invited Roundtable Discussion.** Children and Physical Activity - Measurement Approaches. Active Living Research Conference, San Diego, CA, February 23, 2011.
- 2012
22. **Invited Presentation.** Healthy Body Weight Research. U.S. Army Research Institute of Environmental Medicine, Natick, MA, January 9th, 2012.
 23. **Invited Presentation.** Behavioral and Biological Pathways Between Stress and Health in Children. South Dakota State University's 29th Annual Health and Nutrition Conference, Brookings, SD, March 27, 2012.

24. **Invited Presentation. Keynote address:** Park Access, Park Amenities, Internal Motivation and the Physical Activity of Youth and Adults. Midwest Parks and Recreation Conference, Grand Forks, ND., April 30, 2012.
25. **Invited Presentation.** How Can We Increase Physical Activity and Decrease TV Watching in Children and Adolescents? Session: HTS.201. Meeting the Challenge of Physical Activity in Children and Adolescents. American Heart Association Annual Meeting, Los Angeles, CA, November 5th, 2012. (declined due to ARS travel restrictions)

2013

26. **Invited Presentation.** Efficient and effective change principles in active video games. International Society of Behavioral Nutrition and Physical Activity Preconference Symposium on Exergaming. (declined due to ARS travel restrictions)
27. **Invited Presentation.** Healthy Body Weight Research. Richardson Centre for Functional Foods and Nutraceuticals, University of Manitoba, Winnipeg, Manitoba, Canada, September 26, 2013.

2014

28. **Invited Presentation.** Environmental Pushes, Pulls and other Means of Promoting Physical Activity. 2014 Northeast Ohio Exercise Science Conference, Kent State University, Kent, OH, April 5, 2014.
29. **Invited Presentation.** Healthy Body Weight Research. Arkansas Children's Nutrition Center, University of Arkansas for Medical Sciences, Little Rock, AR, September 24, 2014.
30. **Invited Presentation.** Stress and Health in Children: Activation of Behavioral and Biological Pathways that Promote Antecedents of Adult Disease. Department of Biology, University of North Dakota, Grand Forks, ND, October 24, 2014.
31. **Invited Presentation.** Orientation to the Major. Departments of Biology and Chemistry, University of North Dakota, Grand Forks, ND, November 5th, 2014.

2016

32. **Symposium.** Stressed Out? Get Moving! Supported by the ACSM Minority Health and Research Special Interest Group. World Congress on Exercise is Medicine®, and World Congress on The Basic Science of Energy Balance, American College of Sports Medicine, Boston, MA, May 31-June 4, 2016.

2017

33. **Symposium. Session Co-Chair. Introduction and overview** Diet- and exercise-induced epigenetic alterations of skeletal muscle and white, beige, and brown adipocytes. *Annual Experimental Biology Meeting*, Chicago, IL, April, 2017.

USDA GRAND CHALLENGE RESEARCH PARTICIPATION

2017-present **'Beef systems'** - Provide genetic and management tools to optimize GxExMxP interactions to increase production efficiency of high quality, safe and healthy beef products with reduced environmental impact. Serve on Executive Team.

LEADERSHIP EXPERIENCE

USDA, Agriculture Research Service, Grand Forks Human Nutrition Research Center

Center Director

Dec, 2016 – Present USDA-ARS-Plains Area, Grand Forks Human Nutrition Research Center, Grand Forks, North Dakota.

Acting Center Director

Sep-Oct 2015 Provides overall direction to Human Nutrition Research Center in the Agricultural Research Service, the USDA's intramural research program. Directs all aspects of the Center that
 Feb-Apr 2016 conducts basic and applied research to understand the roles of foods, eating, and physical
 July-Dec 2016 activity in human nutrition and health. Leads fiscal, personnel and facilities management and planning. Supervises and coordinates efforts of 13 senior scientists and a support staff of 80 full-time employees. Advances and manages an annual budget of \$9-10 million. Represents Center in the development and execution of the ARS National Program in Human Nutrition and to local and national ARS collaborators and stakeholders. Collaborates with other federal

agencies, universities, state and local officials, and private sector interests to advance the Center's/Agency's missions.

Research Leader

2011-2017 Provide scientific leadership and management for the Healthy Body Weight Research Unit. Includes supervision of 6 full-time GS13+ scientists, GS-9 Biologist, GS-5 Biological Science Technician, GS-9 Nurse Consultant, GS-4 Biological Science Aids, and a GS-5 secretary. Responsible for fostering and coordinating the scientific productivity, quality and impact of the Unit and the professional development of its scientists and managing human, fiscal and physical resources.

Lead Scientist

2013-2017 Responsible for leading development of and coordinating writing efforts to develop a 5-year project plan for four scientists, overseeing completion of project plan science, and writing annual reports of the scientific productivity of the Unit

Human Studies Director

2011-present Oversee coordination of the Metabolic Research Unit and human studies. Review and critique all human studies protocols for consistency with Agency/Center missions and resources and to strengthen protocols before approval by Center Director.

Applied Physiology Laboratory Director

2011-present Provide support for human and animal studies using exercise, physical activity, body composition, human metabolism as treatments or outcome measures.

Psychophysiology Laboratory Director

2011-present Provide support for human studies employing measures of food reinforcement, eating behavior, exercise reinforcement, behavioral choice, and psychological stress reactivity.

Laboratory Space Development

2011 Health Behavior Laboratory - consulted on design, assisted with final completion of, and evaluated and ordered equipment for a psychophysiology/behavioral choice laboratory.
2012 Exercise physiology/behavioral laboratory – helped design, managed completion of, and evaluated and ordered equipment for a satellite multiuse laboratory located in a community Health and Fitness Center
2012-2013 Responsible for overseeing the planning, building, and validation of a room calorimeter

Hiring

Responsible for developing position descriptions and leading the searches for:

2012 Nurse Coordinator (GS-09)
Biological Science Lab Tech (GS-07)
2 Biological Science Aids (GS-04)
2013 Engineering Technician (GS-07/09)
Secretary (GS-05)
2014 Research Molecular Biologist/Research Biochemist (GS-13/14/15)
2018 Administrative Officer (GS-11/12)

Leadership Training

- Re-inventing Diversity for Today's USDA (Supervisors), October, 2011
- Extramural Agreements for Authorized Departmental Officer's Designated Representative, Jan, 2012
- New Research Leader Orientation, Beltsville, MD, January, 2012
- Northern Plains Area New Scientist Orientation, Fort Collins, CO, April, 2012
- Pay and Leave, May, 2012
- Human Resources Management, Beltsville, MD, May, 2012

- Congressional Briefing Conference-Georgetown University/Washington DC, June , 2012
- Position Management and Classification, June, 2012
- Coaching Towards High Performance, June, 2012
- Partnerships and Grantsmanship, July, 2012
- Crucial Conversations Tools for Talking, Beltsville, MD,, October, 2012
- Human Resources Management Workshop, Beltsville, MD, January, 2013
- Communication Strategies for Effective Work Relationships, 2014
- Labor Management Partnership, ARS Labor Relations, September, 2015
- Communicating Face to Face: Building Productive Workplace Relationships through Improved Understanding, Washington D.C., October, 2015
 - Granted a \$4,840 scholarship from USDA-ARS Plains Area to attend
- Conflict Resolution Skills, Washington D.C., November 29-December 2, 2016.
- Extraordinary Leadership, Washington D.C., April 22-25, 2018
- USDA Senior Executive Service 7, Self-Reflection: Defining My Leadership Style, Washington D.C., December 10-11, 2019
 - Selected to attend, and course costs funded, by USDA-ARS Leadership
- USDA Senior Executive Service 7, How to Develop Those I Lead, December 12-13, 2019
 - Selected to attend, and course costs funded, by USDA-ARS Leadership
- USDA Senior Executive Service 7, Building and Sustaining an Inspire Culture, December 12-13, 2019
 - Selected to attend, and course costs funded, by USDA-ARS Leadership
- USDA Senior Executive Service 7, The Federal Budget Process-Working it for Success, March 4-5, 2020
 - Selected to attend, and course costs funded, by USDA-ARS Leadership

University at Buffalo School of Medicine and Biomedical Sciences

Acting Chief, Division of Behavioral Medicine

2006 – 2007 Acting Division Chief for the Division of Behavioral Medicine
 Served as Division Chief while permanent Chief was on sabbatical. Served on Faculty Advising Committee for the development of the UB Clinical and Translational Research Strategic Strength, Division representative to the Clinical and Translational Science Research Institute, mentored junior faculty, and attended to daily administrative duties of the Division.

Division of Behavioral Medicine Space Supervisor

2003 – 2009 Coordinating the use of shared Division research space amongst 3 investigators and 10 to 15 ongoing research projects.

2006-2007 In charge of working with the Senior Associate Dean for Research and Biomedical Education to identify, plan, and develop the Farber G90 research space (840 sq ft) for the Division of Behavioral Medicine.

2009 In charge of working with the Senior Associate Dean for Research and Biomedical Education to identify, plan, and develop ~1200 sq ft of my own research space and laboratory in Farber G151.

Search Committees

Spring 2005 Committee member to recruit an Assistant Professor of Pediatrics, Division of Behavioral Medicine

Spring 2010 Committee member to recruit an Assistant/Associate Professor of Pediatrics, Division of Behavioral Medicine

Spring 2011 Chaired committee to recruit two Assistant/Associate Professors, Department of Pediatrics, Division of Behavioral Medicine

SERVICE TO THE PROFESSION

Abstract Reviewer

- 2009 Active Living Research Annual Conference, San Diego, CA (by invitation)
- 2016 Active Living Research Conference, Clearwater, FL (by invitation)

Advisory Boards and Groups

- 2015-present Community Advisory Board, University of North Dakota Master of Public Health Program
- 2016-present North Dakota Service Center State Food and Agriculture Council – USDA interagency forum to coordinate interagency program delivery
- 2018-present USDA ARS Financial Management, Travel, and Agreements Advisory Group
- 2018-present Leadership/Executive Team - The Dakota Cancer Collaborative on Translational Activity (NIH-funded program to stimulate growth of expertise and engagement in cancer-related clinical and translational research in the Dakota region)
- 2022-present USDA ARS Project SYNC Succession and Growth Planning Topic Team - re-evaluate the need for new and different staff to support an increasing programmatic budget, and how to ensure the next generation of ARS leaders is prepared and in a queue as the current leaders move to their next phase

Committee Work

- 2003 Department of Pediatrics Obesity Clinic Task Force
- 2004–2009 University at Buffalo School of Medicine and Biomedical Sciences Faculty Council
- 2006 – 2011 University at Buffalo, Department of Pediatrics Ad Hoc Committee on Promotions & Tenure
- 2008–2009 University at Buffalo Comprehensive Physical Plan – Bike Plan Advisory Committee. Served as faculty representative develop a unified bicycle plan. The committee developed plans to accommodate bicyclists and encourage increased bicycle use at, around, and between the three UB campuses.
- 2010 Clinical Translational Science Award (CTSA) Biostatistics Function Committee
Reviewed UB and community resources in biostatistics-related clinical and translational research and formulating plans to enhance these capabilities as part of a CTSA application.
- 2010–2011 *Chair*: Physical Activity and Fitness Subcommittee of the Common Measures & Assessments Committee for grants funded through RFA ‘Translating Basic Behavioral and Social Science Discoveries into Interventions to Reduce Obesity: Centers for Behavioral Intervention Development’. Revised name ‘Obesity Related Behavioral Intervention Trial (ORBIT).
- 2000 – 2010 The UB Division of Behavioral Medicine had two or three faculty. As a small group there were no formal committees. I met with the Division Chief almost every day to discuss clinical research programs, Division policies, administrative and support staff issues, student issues, and office and laboratory space.
- 2012-2015 Coalition for a Healthy Greater Grand Forks
- 2014-2015 Healthy Choices Greater Grand Forks Steering Committee, and Chair Data Collection and Research Subcommittee

Consulting

- 1996 Evaluation of the Safety and Efficacy of Genotropin: Pharmacia & Upjohn
- 1999 – 2000 Mosaic Technologies Inc, Ideamed Division
- 2000 – 2002 Pubertal Alterations in Growth and Maturation, University of Virginia

Editorial Service

2011-2013 Associate Editor, *Exercise and Sport Sciences Reviews*

Grant Reviewer

August, 2004	Children's Research Center of Michigan
November, 2004	University of Southern California, Department of Preventive Medicine, Division of Health Behavior
November, 2004	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2005/01 ZRG1 Risk, Prevention & Health Behavior-C (12) (B)
March, 2005	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2005/05 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
June, 2005	Duke University, Department of Pharmacology and Internal Medicine,
June, 2005	National Institutes Of Health Request for Applications: Site Specific Approaches to Prevention or Management of Pediatric Obesity 2005/10 ZRG1 HOP-S (50) (R),
July, 2005	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2005/10 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
November, 2005	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2005/10 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
March, 2006	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2006/05 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
June, 2006	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2006/05 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
December, 2006	University at Buffalo, Interdisciplinary Research Development Fund, 12/7/2006
March, 2007	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2007/10 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
March, 2007	American Diabetes Association Research Funding Program, 3/22/2007
June, 2007	National Institutes of Health Endocrinology, Metabolism, Nutrition and Reproductive Sciences Initial Review Group, Clinical And Integrative Diabetes And Obesity Study Section
July, 2007	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2007/10 ZRG1 Risk, Prevention & Health Behavior-C (10) (B)
September, 2007	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2008/01 ZRG1 Risk Prevention & Health Behavior Across the Life Span C (10) (B)
June, 2008	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2008/10 ZRG1 Risk Prevention & Health Behavior Across the Life Span C (10) (B)
June, 2008	University at Buffalo, Interdisciplinary Research Development Fund
August, 2008	National Institutes Of Health 2008/10 ZRG1 EMNR-B (02) M Diabetes, Obesity, and Energy Balance
October, 2008	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2008/10 ZRG1 Risk Prevention & Health Behavior Across the Life Span C (10) (B)
September, 2008	Nevada Inter-institutional Biomedical Research Fund
September, 2009	National Institutes Of Health 2010/01 ZRG1 RPHB-C (53)R RFA-OD-09-008 BRDG - SPAN and RFA-OD -09-009 Catalyst ARRA Review Panel #13
June, 2012	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2012/10 ZRG1 Risk Prevention & Health Behavior Across the Life Span C (10) (B)
March, 2013	Luxembourg National Research Fund
March, 2013	Special Emphasis Panel/Scientific Review Group 2013/05 ZRG1 RPHB-N (03) M *Chaired session

Manuscript Reviewer

American Journal of Human Biology
American Journal of Physiology
American Journal of Preventive Medicine
**BMC Medicine*
**BMC Public Health*
**British Journal of Nutrition*
**Canadian Journal of Applied Physiology*
Clinical Science
**European Journal of Applied Physiology*
**European Journal of Pediatrics*
**European Journal of Sport Science*
Health Psychology
Hormone and Metabolic Research
**International Journal of Behavioral Nutrition and Physical Activity*
**International Journal of Endocrinology*
**International Journal of Environmental Research and Public Health*
**International Journal of Medicine & Medical Sciences*
**International Journal of Obesity*
**International Journal of Pediatric Obesity*
**International Journal of Qualitative Studies in Health & Well-being*
**International Journal of Sports Medicine*
**International Journal of Sports Science & Medicine*
Journal of Adolescent Health
Journal of Applied Physiology
Journal of Behavioral Medicine
Journal of Clinical Investigation
Journal of Physical Activity & Health
**Journal of Psychophysiology*
**Journal of Science and Medicine in Sport*
**Journal of Sports Science and Medicine*
Journal of the American Medical Association
Medicine & Science in Sports & Exercise
Metabolism: Clinical and Experimental
Nutrients
Nutrition, Metabolism & Cardiovascular Diseases
Obesity Research
Obesity Reviews
Pediatric Exercise Science
Pediatrics
Preventive Medicine
Psychoneuroendocrinology
**World Journal of Pediatrics*
**Foreign (non-US) journal*

Media Interviews

“Weight loss in adolescent wrestlers” WKSU, Local and National Public Radio
“The Increasing Prevalence of Obesity in America’s Youth” WGRZ TV, Buffalo, NY
“How much activity do youth get? A quantitative review of heart-rate measured activity.”
HealthScout News Service, WebMD.com, Reuters Health, Ottawa Citizen, Education Week
“Increase in Overweight After Adenotonsillectomy in Overweight Children with Obstructive Sleep-

- Disordered Breathing” Reuters Health, Prevention Magazine
 “Effect of a simulated active commute to school on cardiovascular stress reactivity”
 ParentDish.com (AOL's parenting website), Rodale.com, Los Angeles Times, Ira Dreyfuss, Daily HealthBeat, U.S. Department of Health and Human Services
Story also picked-up by television, radio and many web news organizations – a few examples:
 KLAS-LV (CBS) - Las Vegas, NV, Morning Television News, 8/11/2010
 WBEN radio – Buffalo, NY
 Grand Forks Herald – AgHealth
 “Removing playground benches may get adults moving”, Reuters 3/12/2014
 “Nutrition Lab Researches Obesity, Disease, The Dakota Student, 3/28/2014
 “Height Adjustable Desks” - Sedentary workers report increased job performance and creativity after they start using adjustable height desks. AAAS radio show, Science Update, 5/7/2014
<http://www.scienceupdate.com/2014/05/desk/>
 “Understanding Chronic Stress: Impact on Physical Activity Behaviors and Exercise” - Healthday's Physician's Briefing, 6/7/2016 <http://www.physiciansbriefing.com/Article.asp?AID=711661>
- Muscle Up to Some Protein Every Day. ARS Researchers Explore How Regular Protein Consumption Can Ward Off Disability in Older Adults. Written by Kathryn Markham, ARS Office of Communications.
https://tellus.ars.usda.gov/stories/articles/muscle-up-to-some-protein-every-day/?utm_medium=email&utm_source=govdelivery

Promotion and Award Review Panels

- Review of academic scientist tenure dossiers
 USDA Research Position Evaluation System panel, 2014
 USDA-ARS Research Leadership and Center Directorship Award, 2016
 USDA-ARS Plains Area Location and Administrative Staff of the Year award, 2017
 USDA-ARS Plains Area Senior Scientist of the Year award, 2018, 2019, 2020, 2021

Professional Memberships

- | | |
|----------------|---|
| 1988 – present | American College of Sports Medicine, Elected to Fellow status |
| 1994 – present | Endocrine Society, Elected to Full Member status |
| 2000 – present | North American Association for the Study of Obesity, Elected to Fellow status |

Outreach

- Newspaper Articles
 An Active and Healthy Life, *Grand Forks Herald*, 2012
 Redesigning Activity Into Your Life, *Grand Forks Herald*, 2012
 Simple Plans to Achieving Your Health Goals, *Grand Forks Herald*, 2013
 How the State of Parks Increases a Community's Well-Being, *Grand Forks Herald*, 2014
- Community Presentations
 Behavioral Approaches to Weight Control, Grand Forks Health & Wellness Fair, 2012
 Parks: Neighborhood Resources for Physical Activity, Grand Forks Optimist Club, 2012
 Stress and Children's Health, Grand Forks Optimist Club, 2014

Tours

Organized and led interactive group tours of GFHNRC and Choice Health and Fitness Center, 2012-present
Toured Legislative Assistants to U.S. Sen. Heidi Heitkamp through GFHNRC facilities, 2013, 2014

Health Fairs

Grand Forks Health & Wellness Fair, 2012, 2013

High School Student Career Expo

Presented and organized exercise physiologists, dieticians, and biochemists to talk to students, 2013

Walk-the-Talk

Helped to organize a Center-wide employee physical activity initiative and presented motivational seminar on health aspects of physical activity, 2012, 2014, 2015

Human Nutrition Research Center Representative

Midwest Dairy Council, National School Breakfast Week, "It Starts With School Breakfast", 2014

TEACHING

University at Buffalo

Full Courses

ES 589: Directed Readings in Obesity (new course): Fall 2003, 2004, 2005
ES 525 Research Design in Pediatric Exercise Science (new course): Spring 2009
ES 526 Pediatric Exercise Science (new course): Spring 2009, 2010
ES 526 Environments, Physical Activity and Eating (new course): Spring 2011

Sections of Medical School Courses

Integrated Study of the Gastrointestinal System, Metabolism and Nutrition
Obesity and weight control, one lecture: 2002

Exercise Science and Nutrition Courses

ES340: Physical Activity for Special Cases, two lectures: Fall: 2000, 2001, 2002
ES350: Exercise Physiology, two lectures: Spring 2002, Fall 2003
SPM515/ES515: Epidemiology and Prevention of Cardiovascular Disease, one lecture, Fall 2010

Kent State University

Full Courses

Exercise Physiology lecture and laboratory
Lifetime Fitness
Exercise and Weight Control
Physical activity courses (Fitness Walking, Weight Training, Jogging)

Teaching Assistant

Kinesiology lecture and laboratory
Anatomy laboratory

Head Laboratory Assistant 1988-1992

Taught other graduate students the use and calibration of instruments in the exercise physiology, biochemistry, anthropometry, and body composition laboratories

Ball State University

Biology 100 – Introductory biology lecture and laboratory for non-majors

MENTORING AND RESEARCH SUPERVISION

Junior Faculty

ARS-USDA

John Fitzgerald, Ph.D. Assistant Professor, Kinesiology and Public Health Education Department, University of North Dakota

University at Buffalo

Sarah Salvy, Ph.D., Assistant Professor, Department of Pediatrics

Andrew Ray, Ph.D., Assistant Professor, Department of Rehabilitation Science

Renee B. Cadzow, Ph.D., Research Assistant Professor, Department of Family Medicine

Post-Doctoral Fellows

USDA-ARS

Mentor

Shanon Casperson, Ph.D.: current position - permanent Research Biologist, Grand Forks Human Nutrition Research Center USDA-ARS

Kyle Flack, Ph.D.: current position - Assistant Professor, School of Human Environmental Sciences, University of Kentucky

Kelsey Ufholz, Ph.D.: current position – Scientist, Case Western Reserve University, Department of Family Medicine and Community Health, Cleveland OH

Christopher Pankey, Ph.D.: current position – Assistant Professor, Department of Biomedical Sciences, West Virginia School of Osteopathic Medicine

University at Buffalo

Mentor

Denise Fedra, Ph.D.: current position - Project Staff Associate, Department of Epidemiology and Environmental Health, University at Buffalo

Mentorship Committee Member

Nadia Danilovich, M.D., Department of Pediatrics

Muniza Mogri, M.B.B.S., Department of Pediatrics

University of Virginia

Mentorship Committee Member

Christine Houlihan, M.D., Department of Pediatrics

Doctor of Philosophy Committees

University at Buffalo

Committee Chair

Jacob Barkley, Ph.D. - Reinforcing Value of Interval and Continuous Exercise Above and Below the Ventilatory Threshold, Completed Fall, 2007

Maya Lambiase, M.S. – Cardiovascular reactivity and cardiovascular disease risk in adolescents, Completed Summer, 2011

Committee Member

Brian Wrotniak, Ph.D. - The influence of coordination and the relative reinforcing value of physical activity on the physical activity of children, Completed Spring, 2006

Master of Science Committees

USDA-ARS

Committee Member

- Ms. Bridget Pinoniemi, University of North Dakota, Department of Sports Medicine, School of Medicine & Health Sciences, Temporal trends in the jump test performance of United States Children and Adolescents, Completed Summer, 2019
- Mr. Nolan Potter, University of North Dakota, Department of Sports Medicine, School of Medicine & Health Sciences – In progress

University at Buffalo

Committee Chair

- Ms. Suzanne Wright - Impulsivity toward food and money of obese and nonobese young adults, completed Fall, 2002
- Ms. Cathy Gurgol - Open-loop feedback to increase physical activity of youth, completed Spring, 2003
- Ms. Tressa White - Food Variety and Energy Intake of Siblings Discordant for Adiposity, completed Summer, 2005
- Mr. Erik Beers – Increasing Passive Energy Expenditure During Clerical Work, completed Fall, 2007
- Ms. Maya Lambiase – The Protective Effect of Exercise Against Cardiovascular Reactivity to an interpersonal Stressor in Children, completed Spring, 2008
- Ms. Katherine Balantekin – Psychological stress and coping mechanisms: The choice between comfort food, television, and physical activity, completed Spring, 2011

Committee Member

- Ms. Visalakshi Arumugam - Effects of rate of glucose ingestion on subjective satiety, completed Summer, 2005
- Ms. Kitiya Suvannasankha - A Validation Study of the Glycemic Index, completed Fall, 2006
- Ms. Elizabeth Madore – Effect of breakfast bar fiber composition on satiety of dietary restrained and unrestrained women, completed Summer, 2006
- Ms. Allison Elmo – Influence of parents and friends on overweight and normal-weight children and adolescent food choices, completed Summer, 2009
- Mr. Fego Galvan – Influence of weight loss on performance of collegiate wrestlers, completed Summer, 2010

University of Virginia

Committee Member

Mr. Michael Brunet - Influence of Exercise Training and Behavior Modification on Body Composition, and Growth hormone and Leptin Release in Overweight Children, completed Spring, 2001

Masters Student Research Experiences (non-thesis)

University at Buffalo

Faculty Mentor

Ms. Lakshmi Gopalan - Fall and Spring, 2002
Ms. Renee Key – Spring, 2005
Ms. Soaad Ali – Spring, 2005
Ms. Joyce McNeilis - Spring and Summer, 2005, Fall 2006
Ms. Melissa Waldorf – Fall, 2005
Mr. Durval Morgan – Spring, 2007
Ms. Uwem Ward – Spring, 2007
Ms. Michelle Johnson – Spring, 2007
Ms. Heather Barry – Summer, Fall 2007; Spring, 2009

Ms. Nicki Stamates – Summer, 2007
 Ms. Jackie Zehler – Fall, 2007
 Mr. Emil Markulis – Spring, Summer 2008
 Mr. Pedro Sotelo – Fall, 2008; Spring, 2009
 Ms. Katherine Balentekin – Summer, 2009
 Mr. Hong Min Mui – Summer, 2010
 Ms. Lana Holden – Summer, 2010
 Mr. Thomas McCarthy – Fall, 2010, Spring, 2011, Summer, 2011

Medical Student Research Projects

University at Buffalo

Faculty Mentor

- Ms. Tammara Taylor - The Effects of Weight Loss on Insulin Sensitivity in Obese Children, Summer, 2002
- Ms. Sonya Bryan - Metabolic differences of clerical work while sitting and standing: Is standing a passive treatment for weight gain? Summer, 2003
- Mr. Mohammed Adamu - Food Variety and Energy intake of Siblings Discordant for Adiposity, Summer, 2004
- Ms. Valerie Ross - Energy expenditure of clerical work: sitting on a therapy ball versus standing, Summer, 2005
- Ms. Jasmine Smith - Stress reactivity and the adiposity of youth, Summer 2006
- Ms. Sylvia Robinson - Comparison of Faith-Based Physical Activity Interventions on Cardiovascular Risk Factors in Adults of Lower Socioeconomic Status, Summer, 2007
- Mr. Michael Dlugosz – Children’s Choices of Park Elements for Physical Activity, Summer, 2008
- Ms. Laura Iafrazi - The Protective Effect of Exercise Against Cardiovascular Reactivity to an Interpersonal Stressor in Children, Summer, 2010
- Ms. Angela Sandell - Stress Habituation, Stress-Induced Eating and BMI in young Adults, Summer, 2010

University of Virginia

Faculty Mentor

- Ms. Rebecca Nelson - Comparison of Two-, Three-, and Four-Compartment Models for Determining Body Composition in Children. Summer, 1996
- Mr. Sharad Goyal - Comparison of lean and adipose tissue estimates from sagittal T1-weighted and Dixon magnetic resonance image sequences of the lumbar region, Spring, 1997
- Mr. Rahib Poonawala - Leptin Concentrations Track Changes in Subcutaneous Fat During Puberty, Summer, 1997
- Ms. Suzanne Perks, R.D. - Agreement of seven-day diet records and the Harvard food frequency questionnaire to assess the dietary intake of children and adolescents, Summer, 1998
- Ms. Sita Sundaesan - A pilot study of body composition, regional body fat distribution, hormone concentrations, and auxology in survivors of acute lymphoblastic leukemia and non-Hodgkins lymphoma, 1998-1999
- Mr. Amer Ziauddin - The growth hormone – insulin-like growth factor-I axis in lean and obese children: Influence of body composition and body fat distribution on mean nocturnal growth hormone release, Summer, 1999
- Ms. Tami Hutton - Relationships among body composition, fat distribution, sex steroids, physical activity and serum lipid concentrations in prepubertal and pubertal boys and girls, Fall, 2000

Undergraduate Student Research Experiences

USDA-ARS Grand Forks Human Nutrition Research Center

Rebecca Huus - Summer, Fall 2019, Spring 2020
Ben Schwartz - Summer, Fall 2019, Spring 2020
Koryn Rolshoven – Summer, Fall 2018
Hayden May – Summer 2018
Tori Kaster – Summer, Fall 2018
Ethan Brown – Spring, Summer, Fall 2017; Winter, Summer, Fall 2018
Doson Nguyen - Summer 2016, Fall 2016,
Colton Peltier – Summer 2016, Fall 2016, Spring 2017, Summer 2018
Madeline Bittner - Fall 2015, Spring 2016
Grace Oberg – Summer 2014, Fall 2014, Winter 2014, Spring 2014
Joley Beeler – Summer 2012, Fall 2012, Winter 2013, Spring 2013
Brandon Szklarski – Summer 2012
Practicums for 8-10 University of North Dakota Dietetic students each year

University at Buffalo

Faculty Mentor for Underrepresented Students

Department of Pediatrics NHLBI Summer Minority Student Research Program

The grant supporting this program was completed Summer, 2007.

Tammara Taylor, Summer 2002

Sonya Bryan, Summer 2003

Mohammed Adamu, Summer 2004

Valarie Ross, Summer 2005

Jasmine Smith, Summer 2006

Sylvia Robinson, Summer 2007

UB Collegiate Science & Technology Program for underrepresented students

Ms. Olubukunola Okulate – Fall, Spring 2007 and Fall, Spring 2008

Faculty Mentor for Research Credit hours, Practicum, Internships

Jillian Cox – Spring, 2008

Michelle Matteliano - Spring, Summer, Fall 2008

Jennifer L. Harb - Summer, Fall 2008

Julie Kujawinski – Fall, 2008

Zachary Lavigne – Fall, 2008

Jovan Ramirez – Fall, 2008

Anna Lang – Spring, 2009

Danielle Chambers – Spring, 2009

Jennifer Kane – Spring, 2009

Jennifer Louie – Spring, 2009

Josh Sham – Spring, 2009

Nicole Macchione – Spring, 2009

Danielle Chambers – Fall, 2009

Danielle Gristci – Fall, 2009

Zachary Lavigne – Fall, 2009

William Standardi – Fall, 2009; Spring, 2010; Fall, 2011

Andreas Maroulis – Fall, 2009

Cathy Deren – Fall, 2009

Jennifer Milliman – Fall, 2009

Kim Atwood – Fall, 2009

Susan Lee – Fall, 2009

Kim Attwood – Spring, 2010 (completed ENS internship in my lab)

Danielle Chambers – Spring, 2010

Andreas Maroulis – Spring, 2010

Danielle Griscti – Spring, 2010
Jen Milliman – Spring, 2010
Jeff Zeisz – Spring, 2010
Megan Klyczek – Spring, 2010; Fall, 2011
Roshini Sanghvi – Spring, 2010
Jacob Madonia – Fall, 2011
Jay Amin – Fall, 2011
Samara Steinbrenner – Fall, 2011
Bridget Hughes – Fall, 2011
Nina Kashanian – Fall, 2011

University of Virginia

Faculty Mentor

Nafeh Fananapazir – Summer, 1996
Sharon Anderson – Summer, 1996
Deepali Sharma – Fall, 1996
Elizabeth Williams – Fall, 1996; Spring, 1997
Kendra Dolan – Summer, 1997
Saeed Fakhran – Spring, 1998, Summer, 1998
Kimberly Walter – Spring, 1998
Jeremy Parris – Summer, 1998
Melissa Fortenberry – Fall, 1998; Spring, 1999
Michael Lusk – Summer, 1999
Anna Friel – Fall, 1999; Spring 2000, Summer 2000