

JAMES N. ROEMMICH, Ph.D.

Supervisory Research Physiologist/Research Leader
USDA-ARS
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EDUCATION & TRAINING

- 1994-1997 **Post-Doctoral Fellowship.** Pediatric Endocrinology/Exercise Physiology, University of Virginia
Mentor: Alan D. Rogol, M.D., Ph.D.
- 1988-1994 **Ph.D.** Exercise Physiology, Kent State University
Mentor: Wayne E. Sinning, Ph.D.
- 1986-1988 **M.S.** Biology/Exercise Physiology, Ball State University
Mentor: Craig A. Horswill, Ph.D.
- 1982-1986 **B.A.** Biology, Jamestown College Jamestown, N.D.

PROFESSIONAL APPOINTMENTS

- 2011 - present **Supervisory Research Physiologist/Research Leader**, USDA-ARS-NPA, Grand Forks Human Nutrition Research Center, Grand Forks, North Dakota
Roles: Provide scientific leadership to the Healthy Body Weight Research Unit. Foster the scientific productivity, quality and impact of the unit and the professional development of its member scientists. Coordinate scientific activities on eating habits, physical activity behaviors and other lifestyle factors relevant to obesity prevention and maintenance of healthy body weight. Conducts both independent and multidisciplinary, team-based research with university, industry and government scientists.
- 2006 - 2012 **Associate Professor**, Department of Pediatrics, University at Buffalo
Roles: Directing and collaborating on NIH and other funded investigations of increasing youth and adult physical activity, built environment influences on children's physical activity, influence of stress on physical activity and eating behaviors, effect of food variety on eating behaviors, family-based treatment of pediatric obesity.
Senior Member of the Graduate Faculty. Supervision of graduate students; instruction in causes and treatment of obesity, research design and methods, and exercise science.
- 2006 - 2012 **Associate Professor (Adjunct)**, Dept. of Exercise and Nutrition Sciences, University at Buffalo
Roles: Supervision of graduate students; instruction in causes and treatment of obesity, research design and methods, and exercise science.
- 2000 - 2006 **Assistant Professor**, Department of Pediatrics, University at Buffalo

- 2000 - 2006 **Assistant Professor (Adjunct)**, Dept. of Exercise and Nutrition Sciences, University at Buffalo
- 1999 - 2000 **Assistant Professor of Research**, Department of Pediatrics, University of Virginia
Roles: Completing NIH and other funded investigations of treatment of pediatric obesity, mechanisms of obesity to alter growth hormone secretion, and mechanisms controlling human growth, puberty, body composition, and fat distribution. Supervision of two to three medical, graduate, or undergraduate students per semester.
- 1997 - 1999 **Research Associate (Faculty Status)**, Department of Pediatrics, University of Virginia
- 1994 - 1997 **Post-Doctoral Fellow**, Department of Pediatrics, University of Virginia
Roles: Studying mechanisms controlling human growth, puberty, body composition, and body fat distribution. Basic research to determine the mechanisms controlling puberty using mouse models.
- 1988 - 1994 **Teaching Assistant/Laboratory Coordinator**, Applied Physiology Laboratory, Kent State University
- 1986 - 1988 **Research/Teaching Assistant**, Department of Biology/Human Performance Laboratory, Ball State University

AWARDS & HONORS

- 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
- 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, 1994 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 COMPETITIVE AWARDS

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. 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 – 3/31/2016, North Dakota Beef Commission

Total costs: \$131,500

Responsibilities: writing grant; study design, data collection, analysis and interpretation; to determine whether eating beef while on a weight loss diet increases adherence to weight control behaviors by reducing the motivation to snack and maintenance of weight loss

2. **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: \$25,000

Responsibilities: writing grant; study design, data collection and analysis; to determine whether stress reactivity, stress-induced eating, and adiposity are greater in young adults whose mothers experienced high psychological stress (1997 flooding) during their pregnancies and to determine whether levels of methylation differ between in utero stress groups and whether they are correlated with stress reactivity, stress-induced eating, impulsivity and food and exercise reinforcement.

3. 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

Responsibilities: writing grant; study design, data collection and analysis; describe time trends in egg consumption with emphasis on food insecure groups, identify the form of eggs consumed and patterns of consumption and model the impact on energy and nutrient intakes of substituting egg main dishes for common main dishes, determine costs associated with egg consumption over commonly-consumed main dishes, and determine the effects of household income and egg pricing on shell egg purchases.

4. **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

Salary support: Support for post-doctoral fellow

Responsibilities: writing competed application, mentorship of post-doc, determine whether exercise reinforcement can be increased in children.

5. **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

Responsibilities: writing project plan; study design, data collection, statistical analyses, writing peer-reviewed papers; determining whether repeated exposures increases exercise reinforcement and fruit and vegetable reinforcement.

6. **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

Salary support: Support for summer intern

Responsibilities: writing proposal, mentorship of summer student, determine influence of rural town environment and park environment on physical activity of adults and children.

7. **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

Responsibilities: writing grant; data collection, statistical analysis; investigation of the role of irisin in placental energy metabolism, whether differentially methylated placental genes are associated with serum irisin concentrations and whether placental irisin gene expression and serum irisin concentrations are associated with pregnancy weight gain.

8. 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

Salary support: Support for summer intern

Responsibilities: writing proposal, mentorship of summer student, determining if micro-environment park playground changes influence physical activity of parents and children.

9. 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

Proposed total costs: \$28,244 total costs to UB: \$11,162

Salary support: 2.0% effort

Responsibilities: assisted with writing grant; data collection; develop a white paper, webinar and brief to translate our Active Living Research urban park research findings to guide the decision making of planners, designers, managers, and elected officials to create compelling, active urban park environments, and the active transportation routes that connect them to children's homes.

10. 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 – 7/31/2014, National Institutes of Health

Total costs to UB: \$1,927,098

Salary support: 2.5% full time effort

Responsibilities: assisted with writing grant; study design, data collection; applies experimental economics in an online virtual grocery store shopping model to examine the effects of pricing on food purchases of participants who vary in household income, BMI, food reinforcement, and impulsivity.

11. 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

Salary support: 35% full time effort

Responsibilities: writing grant; study design, data collection; uses a discordant sibling design to provide detailed behavioral phenotyping of adiposity-discordant sibling pair responses to obesigenic experiences to understand which obesigenic experiences are not shared within discordant siblings.

12. 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

Salary support: 5% full time effort

Responsibilities: assisted with writing grant; study design, data collection; completing a center grant of lab studies to determine how stimulus specificity and variety affect short and long term habituation, a series of field studies of to implement reducing variety in the natural environment, and to pilot test a behavioral intervention based on the findings from the laboratory and field studies.

13. 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

Responsibilities: writing grant; study design, data collection; investigating whether stress reactivity and daily stressors increase carotid artery intima media thickness of children and adolescents.

14. 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
 Salary support: 20% full time effort
Responsibilities: major contributions to writing grant, study design, data collection, statistical analyses, writing peer-reviewed papers; investigating the efficacy of treating overweight children and their parents in a primary care setting.
15. **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
 Proposed total costs to UB: \$1,188,750
 Salary support: 5% full time effort
Responsibilities: assisted with writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating the influence of friends and peers on overweight children's eating and physical activity.
16. **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
 Salary support: 2.5% full time effort years 1-3, 10% full time effort year 4
Responsibilities: assisted with writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating how food reinforcement and the DRD2 genotype interact in obesity.
17. **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
 Salary support: 35% full time effort
Responsibilities: writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating the influence of access to park and recreation facilities on the ability to increase youth physical activity when their access to sedentary behaviors in the home is decreased by 50%.
18. **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
Responsibilities: assisted with writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating whether social skills training increases social involvement and physical activity of overweight socially-isolated youth.
19. **Epstein, L.H. (PI), J.N. Roemmich (Co-I)**
 Habituation to Food in Children
 6/01/07 – 3/31/11, National Institutes of Health
 Proposed total costs to UB: \$1,010,440
 Salary support: 10% full time effort
Responsibilities: assisted with writing grant; study design, data collection; investigation of how food variety and dishabitators increase food intake.
20. **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
 Salary support: 12.5% full time effort
Responsibilities: writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating which park amenities promote physical activity of youth.
21. **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

- Responsibilities: assisted with writing grant; data collection, statistical analyses, investigation of whether an acute bout of exercise reduces cardiovascular reactivity to an interpersonal stressor in children.*
22. 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
Responsibilities: assisted with writing grant; data collection, statistical analyses, investigation of the increase in energy expenditure when performing clerical work while standing or sitting on a therapy ball.
23. 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
 Salary support: 10% full time effort
Responsibilities: assisted with writing grant; study design, data collection; investigation of how changing access to sedentary increases physical activity in obese youth .
24. 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
 Salary support: 15% full time effort
Responsibilities: writing grant; study design, data collection, statistical analyses; investigating whether making watching television contingent on first being physically active increases the activity of children.
25. **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
Responsibilities: writing grant; study design, data collection; investigating whether access to parks and the motivation to be active influences youth physical activity.
26. 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
Responsibilities: assisted with writing grant; data collection, statistical analyses investigation of whether interval or continuous exercise is most rewarding.
27. 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
Responsibilities: assisted with writing grant; data collection, statistical analyses; support for Mr. Barkley's dissertation, investigation of whether interval or continuous exercise is most efficacious for improving insulin resistance in youth.
28. 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
 Salary support: 5% full time effort
Responsibilities: assisted with writing grant; study design, data collection; investigation of how food variety and dishabitators increase food intake.
29. 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

Salary support: 30% full time effort

Responsibilities: assist with writing grant; study design, data collection; investigating the efficacy of an environmental intervention designed to modify the home television watching and computer game use environment on the adiposity of overweight or obese 4-7 year-old boys and girls.

30. 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

Responsibilities: writing grant; study design, data collection; investigating the relationship between clinical growth in pubertal girls and boys and shifts in the irregularity of underlying growth hormone secretory patterns.

31. 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

Salary support: 50% full time effort

Responsibilities: writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigating the use of behavioral engineering to increase the physical activity of youth.

32. 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

Responsibilities: assist with writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigation of reductions in insulin resistance with weight loss in obese children at high risk for developing diabetes.

33. 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

Responsibilities: assist with writing grant; study design, data collection, statistical analyses, writing peer-reviewed papers; investigation of reductions in insulin resistance with weight loss in obese children at high risk for diabetes.

34. 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

Responsibilities: assisted with writing grant; data collection, statistical analyses; support for Ms. Wright's master's thesis, investigation of whether lean and obese adults differ in impulsivity.

35. 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

Responsibilities: writing grant; collecting data, writing papers; investigating whether interpersonal stress changes youth eating and exercise behaviors.

36. 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
Responsibilities: writing grant, advising, collecting data with pre-med student.
37. **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
Responsibilities: writing grant; study design, study coordination, data collection, statistical analyses; investigating whether weight loss increases growth hormone secretion in overweight children.
38. 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
Responsibilities: writing grant, advising, collecting data with pre-med student.
39. **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
Responsibilities: writing grant; study design, data collection, statistical analyses; use of doubly labeled water to measure energy expenditure of youth.
40. 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
Responsibilities: writing grant; study design, data collection, statistical analyses, writing papers; investigation of the hormonal control of human growth, body composition, and body fat distribution during puberty.
41. **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
Responsibilities: writing grant; study design, data collection and analysis for my dissertation; investigation of changes in nutritional status, growth, bone age, concentrations of growth-related hormones, and performance in wrestlers.
42. **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
Responsibilities: writing grant; study design, data collection and analysis for my dissertation; investigation of changes in nutritional status, growth, bone age, concentrations of growth-related hormones, and performance in wrestlers.
43. **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
Responsibilities: writing grant; study design, data collection and analysis for my dissertation; investigation of changes in nutritional status, growth, bone age, concentrations of growth-related hormones, and performance in wrestlers + salary support for radiological technician.
44. **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

Responsibilities: writing grant; data collection, statistical analysis for thesis; investigation of changes in concentrations of growth hormones in wrestlers.

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*, 82:1751-1759, 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*, 9:371-380, 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. Comparison among 2-, 3- and 4-compartment models of body composition. *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. Alterations in growth and body composition during puberty: II. 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*, 11:209-224, 1999.
16. **Roemmich, J.N.** and A.D. Rogol. Evidence Supporting an Adipo-Leptin-Growth Hormone Axis in obesity-related hypsomatotropism. *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: 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. Alterations in growth and body composition during puberty. VII. Gender and maturation-dependent contrasts in the dynamics of growth-hormone (GH) secretion in male and female prepubertal children and late adolescents: ultrasensitive chemiluminescence-based assay of basal, pulsatile, entropic, and rhythmic modes of GH release. *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*, 50:537-547, 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: e44, 2001.

2002

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Book Chapters and Monographs (by year)

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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.

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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, 4:981-994, 2001.

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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.
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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.

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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.

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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.

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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.
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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.
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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.
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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.*
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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.*
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 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.*
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 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.*

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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.*

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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.*
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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.*

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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.*

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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.
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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.

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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.
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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 adenotonsillectomy have decreases in motor activity and hyperactivity. *American Thoracic Society Annual Meeting, San Diego*, May 2006.

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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.
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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.
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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*, Guangzhou, China, June, 2008.
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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.
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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. Feda, 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. Feda, 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. Feda, 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.
- 2013**
- 108. Roemmich, J.N.**, S. Raja, L. Yin, L.H. Epstein, C.L. Lobarinas, S. Baek and D.M. Feda. 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.
- 2014**
- 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, June, 2016

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, Maniotba, 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.

SERVICE TO THE PROFESSION

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 - 2012	National Institutes Of Health Special Emphasis Panel/Initial Review Group 2005/01 ZRG1 Risk, Prevention & Health Behavior-C (12) (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), American Diabetes Association Research Funding Program, 3/22/2007
March, 2007	National Institutes of Health Endocrinology, Metabolism, Nutrition and Reproductive Sciences Initial Review Group, Clinical And Integrative Diabetes And Obesity Study Section
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
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
March, 2013	Luxembourg National Research Fund
March, 2013	Special Emphasis Panel/Scientific Review Group 2013/05 ZRG1 RPHB-N (03) M *Chaired session

Abstract Reviewer

2009 Active Living Research Annual Conference, San Diego CA

Editorial Service

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

Manuscript Reviewer (1 - 2 reviews per month)

American Journal of Human Biology

American Journal of Physiology

American Journal of Preventive Medicine

**BMC Medicine*

**British Journal of Nutrition*

**Canadian Journal of Applied Physiology*

**European Journal of Applied Physiology*

**European Journal of Pediatrics*

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 Sports 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

Obesity Research

Obesity Reviews

Pediatric Exercise Science

Pediatrics

Preventive Medicine

Psychoneuroendocrinology

**World Journal of Pediatrics*

**Foreign (non-US) journal*

Media Interviews

- 1992, 1993 “Weight loss in adolescent wrestlers” WKSU, Local and National Public Radio
- 2001 “The Increasing Prevalence of Obesity in America’s Youth” WGRZ TV, Buffalo, NY
- 2001 “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
- 2006 “Increase in Overweight After Adenotonsillectomy in Overweight Children with Obstructive Sleep-
Disordered Breathing” Reuters Health, Prevention Magazine
- 2010 “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
- 2012 Grand Forks Herald – AgHealth
- 2014 “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/>
- 2016 “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>

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

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

Committees

- 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.
- 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	<i>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).</i>
2012-present	Coalition for a Healthy Greater Grand Forks
2014-2016	Healthy Choices Greater Grand Forks Steering Committee, and Chair Data Collection and Research Subcommittee
2015-present	Community Advisory Board, University of North Dakota Master of Public Health Program

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

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

LEADERSHIP

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

Acting Center Director

- Sep-Oct 2015 Provides overall direction to Human Nutrition Research Center in the Agricultural Research
- Feb-Apr 2016 Service, the USDA’s intramural research program. Directs all aspects of the Center that
- July-Oct 2016 conducts basic and applied research to understand the roles of foods, eating, 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 \$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-present 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-present 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 treatment or outcome measures.

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

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., 2015

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

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**ARS-USDA**Mentor

Shanon Casperson, Ph.D.

Kyle Flack, Ph.D.

Kelsey Ufholz, Ph.D.

University at BuffaloMentor

Denise Fedra, Ph.D., Department of Pediatrics

University of VirginiaMentorship 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

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 Balantekin – 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

Ms. Madeline Bittner - Fall 2015, Spring 2016
Ms. Grace Oberg – Summer 2014, Fall 2014, Winter 2014, Spring 2014
Ms. Joley Beeler – Summer 2012, Fall 2012, Winter 2013, Spring 2013

Mr. 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.

Ms. Tammara Taylor, Summer 2002
Ms. Sonya Bryan, Summer 2003
Mr. Mohammed Adamu, Summer 2004
Ms. Valarie Ross, Summer 2005
Ms. Jasmine Smith, Summer 2006
Ms. 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

Ms. Jillian Cox – Spring, 2008
Ms. Michelle Matteliano - Spring, Summer, Fall 2008
Ms. Jennifer L. Harb - Summer, Fall 2008
Ms. Julie Kujawinski – Fall, 2008
Mr. Zachary Lavigne – Fall, 2008
Mr. Jovan Ramirez – Fall, 2008
Ms. Anna Lang – Spring, 2009
Ms. Danielle Chambers – Spring, 2009
Ms. Jennifer Kane – Spring, 2009
Ms. Jennifer Louie – Spring, 2009
Mr. Josh Sham – Spring, 2009
Ms. Nicole Macchione – Spring, 2009
Ms. Danielle Chambers – Fall, 2009
Ms. Danielle Gristci – Fall, 2009
Mr. Zachary Lavigne – Fall, 2009
Mr. William Stendardi – Fall, 2009; Spring, 2010; Fall, 2011
Mr. Andreas Maroulis – Fall, 2009
Ms. Cathy Deren – Fall, 2009
Ms. Jennifer Milliman – Fall, 2009
Ms. Kim Atwood – Fall, 2009
Ms. Susan Lee – Fall, 2009
Ms. Kim Attwood – Spring, 2010 (completed ENS internship in my lab)
Ms. Danielle Chambers – Spring, 2010
Mr. Andreas Maroulis – Spring, 2010
Ms. Danielle Griscti – Spring, 2010
Ms. Jen Milliman – Spring, 2010
Mr. Jeff Zeisz – Spring, 2010
Ms. Megan Klyczek – Spring, 2010; Fall, 2011
Ms. Roshini Sanghvi – Spring, 2010
Mr. Jacob Madonia – Fall, 2011
Mr. Jay Amin – Fall, 2011
Ms. Samara Steinbrenner – Fall, 2011
Ms. Bridget Hughes – Fall, 2011
Ms. Nina Kashanian – Fall, 2011

University of Virginia

Faculty Mentor

Mr. Nafeh Fananapazir – Summer, 1996

Ms. Sharon Anderson – Summer, 1996

Ms. Deepali Sharma – Fall, 1996

Ms. Elizabeth Williams – Fall, 1996; Spring, 1997

Ms. Kendra Dolan – Summer, 1997

Mr. Saeed Fakhraan – Spring, 1998

Ms. Kimberly Walter – Spring, 1998

Mr. Saeed Fakhraan – Summer, 1998

Mr. Jeremy Parris – Summer, 1998

Ms. Melissa Fortenberry – Fall, 1998; Spring, 1999

Mr. Michael Lusk – Summer, 1999

Ms. Anna Friel – Fall, 1999; Spring 2000

Anna Friel – Summer, 2000