

CURRICULUM VITAE

Date: May 2015

PERSONAL INFORMATION

Name: Krista Casazza, PhD, RD, LD
Citizenship: U.S.A.
Foreign Language(s): Spanish
Home Address: 3408 Terry Circle, Mountain Brook, AL 35223
Phone: 205.747.9410

RANK/TITLE: Associate Professor
Department/Division: Pediatrics, General Pediatrics and Adolescent Medicine
Institution: The University of Alabama at Birmingham (UAB)
Business Address: 1600 7th Avenue South, CPPI – 310, Birmingham, AL 35223
Phone: 205.638-6856
Fax: 205.975-6503
Email: kcasazza@peds.uab.edu

EDUCATION:

B.S. 1995, Bachelor of Science (Zoology, Minor Education, Minor Chemistry) University of Florida, Gainesville, FL

M.S. 1997, Master of Science (Animal Nutrition and Physiology) University of Florida, Gainesville, FL
Thesis: *The Effect of Amino Acid Deficiencies on the Chicken Embryo*

Ph.D. 2006, Doctorate of Philosophy (Dietetics and Nutrition) Florida International University, Miami, FL
Dissertation: *A Computer Based Approach to Improve the Dietary and Physical Activity Patterns of a Diverse Group of Adolescents*

CERTIFICATION/LICENSURE: Commission on Dietetic Registration, Registered Dietitian Nutritionist
Alabama State Board of Examiners for Dietetics, Licensed Dietitian, 6/27/2014 – Present

Dietetic Internship: Concentration Adolescent Nutrition Programs, 2006
Florida International University
Broward County School Foodservice (Management)
Broward General Medical Center (Clinical)
Renfrew Center for Eating Disorders (Community)

POST-DOCTORAL TRAINING:

Trainee 2006-2008, UAB NIH-T32
Trainee 2008-2010, UAB NIH-K99 Pathway to Independence; NIDDK K008333 (PI: Casazza)

ACADEMIC APPOINTMENTS:

2000 Adjunct Faculty, Palm Beach Community College, Department of Biological Sciences
2000-2006 Science Faculty, Broward College
2007-2008 Adjunct Professor, University of Phoenix, Biology
2010-2014 Assistant Professor, Department of Nutrition Sciences, UAB

2013-Present Adjunct Professor, University of Alabama, Department of Human Nutrition
2013-Present Associate Member, UAB Nutrition Obesity Research Center
2013-Present Associate Member, UAB Center for Metabolic Bone Disease
2013-Present Associate Scientist, UAB Minority Health Research Center
2013-Present Associate Scientist, UAB University Center for Exercise Medicine
2013-Present Associate Scientist, UAB Diabetes Research Center
2013-Present Faculty, School of Medicine, UAB Nephrology Research Training Center
2014-Present Associate Scientist, UAB Comprehensive Cancer Center Cancer Control and Population
Science Program
2014-Present Associate Professor, UAB Department of Pediatrics, Division of General Pediatrics &
Adolescent Medicine

AWARDS/HONORS:

Faculty

John Haddad Young Investigator Award, Association of Bone Mineral Research, 2012
Dannon Leadership Institute, Class of 2011
Endocrine Society Early Investigator Award, The Endocrine Society, 2011
Torch Award for Distinguished Alumni, Florida International University, 2010
Huddleson Award, American Dietetic Association, 2010
Minority Health Disparities Symposium: 1st Place, Poster Competition, April 2009

Traineeship

Postdoctoral Fellowship: T32 Obesity Training Grant 2006-2009
Body Weight, Adiposity, Energetics and Longevity Travel Award, 2007
Career Enhancement Award: University of Birmingham Office of Postdoctoral Education, Spring 2008
Endocrine Trainee Day Award: Endocrine Society, June 2009

Graduate

Pre-Doctoral Fellowship: Florence Bayuk Graduate Fellowship in Health, Florence Bayuk Foundation, 2003-
2004
Pre-Doctoral Fellowship: Dissertation Year Fellowship, Florida International University, 2005-2006
Outstanding Dietetics Student Award, American Dietetic Association, 2006
Florida Dietetic Association Student Stipend, 2005
Priester Health Conference Student Stipend, 2006

NON-ACADEMIC EXPERIENCE

Health South Rehab. Hospital, Diet Clerk, Sunrise, FL 2002-2003

PROFESSIONAL SOCIETIES:

2002-Present Member, Academy of Nutrition and Dietetics
Pediatric Nutrition Practice Group
2010- Present Member, American Society for Bone Mineral Research
2006- Present Fellow, The Obesity Society
2008- Present Member, The Endocrine Society
2008- Present Member, Alabama Dietetic Association
2008- Present Member, Birmingham Dietetic Association
2014- Present Member, Society of Adolescent Medicine

PROFESSIONAL EXPERIENCE:

K-8 School with the Dream Girls of the BCAP Program, Health Change in Your Community Challenge, 2012

Teaching Assistant, Florida International University, 2002-2005

Taught World Nutrition, Principles of Nutrition, Foundations of Nutrition, & Foundations of Nutrition Lab at the Undergraduate Level. Assisted in course and syllabus preparation, designed and evaluated assignments, papers, and exams for faculty teaching undergraduate and graduate level courses.

Graduate Assistant, Florida International University, 2003-2004

Participated in grant preparation, course development, and manuscript preparation for various faculty members in the Department of Dietetics and Nutrition. Coordinated community programs including Miami-Dade AHEC Community Heart Health Project.

Graduate Research Assistant, University of Florida, 1996-1997

Assisted faculty in research projects, vaccinations, data collection.

UNIVERSITY ACTIVITIES:

Center for Metabolic Bone Disease- Diabetes-Bone Focus Group Leader, 2013-Present

Advisory Board- Dietetic Internship- Department of Nutrition Sciences, School of Health Related Professions
2011-Present

Professional Development Program Workshop Organizer, NORC, How to effectively Review Manuscripts,
May 2009

Professional Development Program Workshop Organizer, NORC, Negotiating, Finances, and Ethics, May 2010

Developmental Origins of Obesity Symposium, Organizer, NORC, April 2010

Ad hoc discussant, UAB Lipid Breakfast

Ad hoc discussant, UAB CMBD Journal Club

EDITORIAL BOARD MEMBERSHIPS:

World Journal of Diabetes, Associate Editor

The Open Obesity Journal, Editorial Board

BMC Pediatrics, Associate Editor

REVIEWER (FOR JOURNALS/GRANTS):

Grant Review

NIH Special Interest Group, ad hoc Reviewer, Surgical Sciences, Biomedical Imaging and Bioengineering
Scientific Review Panel, June, 2015

NIH Special Interest Group, ad hoc Reviewer, Surgical Sciences, Biomedical Imaging and Bioengineering
Scientific Review Panel, February, 2014

Minority Health Research Center, Poster Presentation Judge, 2012-Present

National Transdisciplinary Collaborative Center for African American Men's Health, Reviewer,
Comprehensive Cancer Center, 2014

Office of Postdoctoral Education, Mock Grant Review Panel, Grant Writing Workshop, 2012-Present

Health Research Disparities Training Program, Internal Grant Reviewer, 2013-Present

Journal Associate Editor

World Journal of Diabetes

BMC Pediatrics

Journal of Diabetes Research & Clinical Metabolism

Journal Reviewer

Journal of Clinical Endocrinology and Metabolism

Obesity

Pediatric Obesity

JAMA Pediatrics

Infant, Child and Adolescent Nutrition

Journal of the American Dietetic Association

Bone

Health Education Research

Scientific Abstract Review

The Obesity Society, Annual Meeting Abstract Review, 2012-2013

American Society for Bone Mineral Research Annual Meeting, Abstract Review, 2014

MAJOR RESEARCH INTERESTS:

As a dietitian, a researcher and scientist the paradigm in which we search for healthy aging by reducing adipose tissue has had limited success in terms of improved health as well as adipose reduction. Thus, the focus of my research is the maintenance quality of life through strengthening of the musculoskeletal system. This paradigm facilitates identification of factors in early life towards that contribute to healthy aging. My previous research activities include clinical studies in the pediatric population with particular emphasis on the pubertal transition with expertise in the contribution of diet-induced metabolic alterations on the interface between bone, muscle and fat. Specifically, my research team has conducted various clinical studies in the pediatric population investigating these reciprocal relationships since 2009. In our studies we routinely employ a variety of body composition assessment techniques such as magnetic resonance imaging, peripheral quantitative tomography and dual-energy x-ray absorptiometry, to robustly assess body composition. Employing strength training intervention during the critical developmental stage surrounding puberty to optimize the protective effect of the musculoskeletal system on feed forward effects across systems shifts the focus from the dogmatic concept of adiposity reduction, which has been met with limited improvements at the individuals as well as the population level. Thus, our work aims to expand the horizons of personalized exercise medicine in the pediatric population.

TEACHING EXPERIENCE/PRESENTATION:

Classes Taught

NTR 627/725- Nutrition Through the Life Span (Spring Semester- 2013- Present)

NTR 789- Energetics and Obesity Journal Club (Spring Semester 2009-Present)

NTR 612- Research and Techniques in Applied Dietetics (Fall Semester- 2013-present)

UAB School of Medicine- Obesity, Clinical Nutrition, and Food Policy, Course Director Tarenah Soleymani
Nutrition Lecture, School of Dentistry/Optomety, 2011-2013, Course Director, Dennis Pillion

UAB Dietetic Internship- Pediatric research component of the didactic course work (includes developmental origins of obesity, body composition, medical nutrition therapy, research method.

Rehabilitation Sciences, School of Health Professions- Health Nutrition course- Lectures include macronutrients, micronutrients, sports nutrition and nutrition-related chronic disease. 2012-2013

Broward County Public Schools Science Faculty, August 1997-2002

Taught high school science courses to grades 10-12 including Biology, Biology Honors, Chemistry, Chemistry Honors, Anatomy & Physiology, Marine Science, Genetics, Earth Science

Broward College, Adjunct Faculty, Davie FL 1999-2006

Taught biological science courses including Biology, Anatomy & Physiology I, II, and Labs, Microbiology and Lab.

Palm Beach Community College, Adjunct Faculty, West Palm Beach FL 1999

Taught Anatomy & Physiology I, II and Labs.

MENTORSHIP

- Margaux Barnes, 2014-Present, Post-Doctoral Fellow Clinical Psychology, Department of Pediatrics
- Krista Davis, 2014-Present, Nutrition Trainee, Department of Pediatrics
- Caitlyn Gaynor, 2014-Present, Nutrition Trainee, Department of Pediatrics
- Anna Newton Dissertation, 2011-Present, Doctoral Research Committee, Department of Nutrition Sciences
- Danielle Lorch, 2014-Present, Doctoral Research Committee, Department of Psychology
- Timothy Trotter, 2013-present, Doctoral Research Committee, Comprehensive Cancer Center
- Pranayraj Kondapally, 2013-2015, Undergraduate Biomedical Engineering Honors Program
- Swapnil Patel, 2013-2014, Undergraduate Biomedical Engineering Honors Program
- Danielle Lorch, 2012-2014, Master's Thesis Committee, Department of Psychology
- Alexandra French, 2012-2014, Master's Thesis Committee, Department of Human Studies
- Michelle Davis, M.S. Clinical Nutrition, 2011-2012 Master's Thesis Committee, Department of Nutrition Sciences
- Elizabeth Williams, 2011-2012, Master's Thesis Committee, Department of Psychology
- Jake Fletcher, 2012-2013, Undergraduate Biomedical Engineering Honors Program
- Brandon Sherrod, 2013, Undergraduate Biomedical Engineering Honors Program
- Nkele Davis 2013, Undergraduate Biomedical Engineering Honors Program
- Ashley Barnett, UAB School of Medicine, Third Year Scholarly Activity Rotation
- Makenzie Wilson, UAB School of Medicine, Third Year Scholarly Activity Rotation
- Justice Goudy, UAB Community Outreach Development (CORD) Summer Research Program, 2012
- Harold Willis, McNair Scholar Program, Huntingdon College, 2011

MAJOR LECTURES:

PRESENTATIONS

Invited Speaker, Southern Obesity Summit, Is there a critical period of development to prevent pediatric obesity? A developmental perspective on the nature of biological susceptibility, November 2008

Invited Speaker, Food and Nutrition Expo, Annual Meeting of the American Dietetic Association, October, 2009. Bad genes or genes behaving badly: Unraveling the complexity in the etiology of pediatric obesity.

Invited Speaker, University of Kentucky, Nutrition Seminar Series, Fat, Bone and Bone Fat in Adolescence, October 2013

Invited Speaker, Advances in Mineral Metabolism Annual Symposium, Bone Marrow Adipose Tissue in Adolescence, Protective of Pathogenic, April 2013

Invited Speaker, Academy of Dietetics and Nutrition, Bone Marrow Adipose Tissue: Protective or Pathogenic, October 2013

Invited Speaker, Experimental Biology, Invited Speaker, Does the softening of hard tissues lead to the hardening of soft tissues? An early perspective of the bone-vascular axis. April 2014

GRANT SUPPORT (PAST AND CURRENT):

ACTIVE

Maternal and Child Health Bureau (MCHB)

Leadership Education in Maternal and Child Health Nutrition 2013-2018

Role on Project: PI

Major Goals: Training nutrition trainees in interdisciplinary care focuses on child and adolescent health and nutritional issues including obesity, eating disorders, metabolic diseases, musculoskeletal health, weight loss, weight gain, and sports nutrition.

Maternal and Child Health Bureau (MCHB)

2012-2017

Leadership Education in Adolescent Health (LEAH)

Role on Project: Co-I

LEAH is an interdisciplinary leadership training program in Adolescent Health committed to improving the health status of adolescents, particularly those in the southeastern region of the U.S through its interdisciplinary leadership education of adolescent health professionals in a model center of excellence in training, research and service that is adolescent-centered/family-involved, culturally competent and community-based.

Alabama Teachers in Maternal and Childhood Health

3/2015-12/2015

Innovative Teaching Award. Role on Project: Co-I

\$3500

Major Goals: Develop and Disseminate Inter-disciplinary Case Conferences for ATMCH Network.

NIH (Tse)

Role on Project: Co-I

7/1/14-6/30/18

“Redox Regulation of Anti-Viral Responses in Type 1 Diabetes” \$367,500

Major Goals: Our research has characterized the importance of reactive oxygen species (ROS) synthesis and oxidative stress on innate immune responses in Type 1 diabetes. Dissipation of ROS synthesis can prevent and delay T cell-mediated autoimmune destruction of pancreatic β -cells. Our proposed studies will expand our knowledge of how pro-inflammatory innate immune signals synergize and influence autoreactive T cell responses in Type 1 diabetes.

NIH (Barnes)

07/01/12-06/30/17

Role on Project: Co-I

\$450,000

“Metabolomics Workshop: From Design to Discovery”

Major Goals: To offer an annual short course each year for four consecutive years on metabolomics methods and data analysis to approximately 50 graduate students, post-doctoral fellows, junior investigators and experienced investigators pursuing research in metabolomics. Each course will use a 4-day format with first two days devoted to experimental design and the technology of metabolomics methods and last two days will be devoted to statistical and bioinformatics analysis of the metabolomics data.

COMPLETED

1R00DK083333 (Casazza)

06/01/09-03/31/15

NIH/NIDDK

\$747,419

Role on Project: PI

“Puberty Related Intervention to Improve Metabolic Outcomes- The Primo Study”

Major Goals: 1) Determine if a 6-week, eucaloric (weight-stable), low carbohydrate diet (SPEC) is more effective than a 6-week, eucaloric, standard (STAN) diet in decreasing insulin secretion, increasing insulin sensitivity, and decreasing estradiol concentration among overweight (age-specific BMI %) AA and EA females aged 7-11 year. This phase aims to evaluate metabolic and endocrine changes that occur in the absence of weight change. 2) Determine if a 12-week, hypocaloric (weight-loss), SPEC diet results in greater fat loss than a 12-week, hypocaloric, STAN diet among overweight females aged 7-11 years.

Diabetes Research Training Center Pilot/Feasibility (Casazza) 03/01/12-04/30/14

Role on Project: PI \$50,000

“Diseasome of Physical Inactivity”

Major Goals: 1) Compare the effects of one day of prolonged sitting/non-ambulation versus one day of engaging in physical activity/ambulation on myokine concentration, glucose/insulin dynamics, lipid profile, and inflammation status in overweight 7-11 year old girls and 2) Compare these effects with compensatory decrease in energy intake (prolonged sitting with 500kcal/d deficit).

No Number Assigned- Casazza (PI) 5/1/2011-4/30/2012

Junior Faculty Development Grant/American Cancer Society \$40,000 Cycles: Does adiposity contribute to Breast Cancer Risk?

To determine if adiposity contributes to pubertal hormone concentration and breast development, thereby increasing breast cancer risk.

No Number Assigned- Casazza (Co-I) 10/01/2009-09/30/2011

Center for Metabolic Bone Disease \$33,000/yr

The bone-fat-pancreas axis in children: establishing a role for undercarboxylated osteocalcin (unOC) in energy homeostasis.

To determine the association between bone mass by DXA and serum leptin concentration the association between insulin secretion during oral glucose tolerance test and serum unOC in lean and obese children.

No Number Assigned- Casazza (Co-I) 10/01/2009-09/30/2010

Diabetes Research Training Center Pilot/Feasibility Grant \$40,000

To examine body composition, adipose tissue distribution, and adipocyte cell size in growing children aged 3 to 7 years and identify factors that may influence the partitioning of tissue (i.e. fat vs. bone mass).

No Number Assigned- Casazza (Co-I) 10/01/2009-09/30/2010

Minority Health Research Center Charles Barkley Health Disparities Fund \$30,000

Bad genes or genes behaving badly: Are Hispanic-American children predisposed to “thriftiness” resulting in increased fat accumulation at the expense of bone mass?

To examine the associations among genetic admixture, candidate genes/pathways and body composition/distribution in Hispanic children aged 3-7 years after controlling for dietary intake.

No Number Assigned- Casazza (Co-I) 8/1/2009-7/31/2009

Clinical Nutrition Research Unit Pilot/Feasibility Grant \$30,000

Critical Periods of Exercise

To examine the effects of a physical activity on body composition and adipose tissue distribution in preschoolers participating in 10-week moderate to vigorous physical activity program compared to preschoolers not participating in the program.

No Number Assigned – Casazza (PI) 6/2008-6/2009

UAB Center for Women's Reproductive Health Pilot program

Puberty Related Intervention to Improve Metabolic Outcomes - The PRIMO Pilot Study
To examine the effectiveness of a diet developed specifically for the unique metabolic characteristics of overweight AA girls in minimizing fluctuations in reproductive hormones as they traverse puberty.

No Number Assigned – Casazza (PI)

6/2008-6/2010

Thrasher New Researcher Award

A specialized diet for the Unique Metabolic Characteristics of African American girls

To examine the effectiveness of a diet developed specifically for the unique metabolic characteristics of overweight AA girls in weight loss and optimization of body composition parameters as they traverse puberty.

PENDING GRANT SUPPORT

NIH R21

Role on Project: PI

Optimizing Musculoskeletal Health in Boys with Cystic Fibrosis. Submitted June 16, 2015. \$275000

UAB Comprehensive Cancer Center; Pilot Grant in Pediatric Cancer Research

Role on Project: PI

Resistance Training to Improve Co-Morbidities in Adolescents and Young Adult Cancer Survivors with Acute Lymphoblastic Leukemia.. Submitted May 22, 2015. \$100000

MANUSCRIPTS:

1. **Casazza K** and Ciccazzo M. (2006). Improving the dietary patterns of adolescents using a computer-based approach. *J Sch Health*. Feb;76(2):43-46.
2. George VA, Stevenson J, Harris CL, **Casazza K**. (2006). CDE and non-CDE dietitians' knowledge of exercise and content of exercise program for older adults with type 2 diabetes. *J Nutr Educ Behav*. May-Jun;38:157-62.
3. George VA, Erb AF, Harris CL, **Casazza K**. (2007). Psychosocial risk factors for eating disorders in Hispanic females of diverse ethnic background and non-Hispanic females. *Eat Behav*. Jan;8(1):1-9.
4. **Casazza K** and Ciccazzo M. (2007). The method of delivery of nutrition and physical activity information may play a role in eliciting behavior changes in adolescents. *Eat Behav*. Jan;8(1):73-82.
5. Fernández JR, **Casazza K**, Divers J, López-Alarcón M. (2008). Disruptions in Energy Balance: Does Nature overcome Nurture? *Physiol Behav*. Apr 22;94(1):105-12. Nov 22. Review. PMID: PMC2441759
6. De Luca M, Chambers MM, **Casazza K**, Lok KH, Hunter GR, Gower BA, Fernández JR. (2008). Genetic variation in a member of the laminin gene family affects variation in body weight and body composition in *Drosophila* and humans. *BMC Genet*. Aug;11;9(1):52. PMID: PMC2533007
7. **Casazza K**, Goran MI, Gower BA. (2008). Associations among insulin, estrogen, and fat mass gain over the pubertal transition in African-American and European-American girls. *J Clin Endo Metab*. Jul;93(7):2610-5. Epub 2008 Mar 18. PMID: PMC2453051
8. **Casazza K**, Higgins PB, Fernández JR, Goran MI, Gower BA. (2008). Longitudinal analysis of the insulin-like growth factor system in African American and European American children and adolescents. *J Clin Endocrinol Metab*. Dec;93:4917-492. PMID: PMC2626444
9. **Casazza K**, Gower BA, Willig AL, Hunter GR, Fernández JR. (2009). Physical fitness, activity, and insulin dynamics in early pubertal children. *Ped Ex Sci*. Feb;21(1). PMID: PMC2918229
10. **Casazza K**, Del Corral P, Thomas O., Dulin-Keita A, Gower BA, Fernández JR. (2009). The utility of metabolic syndrome categorization in a multi-ethnic sample of children: Is it useful in a multi-ethnic cohort of children? *The Open Obesity J*. 1(1):1-8.
11. **Casazza K**, Phadke RP, Fernandez JR, Watanabe RM, Goran MI, Gower BA. (2009). Obesity attenuates the contribution of African Admixture to the insulin secretory profile in peripubertal children: a longitudinal analysis. *Obesity*. Jul;17(7): 1318-25. PMID: PMC2938182

12. **Casazza K**, Natour N, Divers J, Vaughn LK, Bigham AW, Gower BA, Hunter G, Fernández JR. (2009). Triacylglycerol concentration may be influenced in part by variation in the LPL gene. *The Open Obesity Journal*, 1, 23-31.
13. **Casazza K**, Dulin-Keita A, Gower BA, Fernández JR. (2009). Relationships between reported macronutrient intake and insulin dynamics in a multi-ethnic cohort of early pubertal children. *Int J Ped Obes*, 4(4):249-56.. PMID: PMC2918230.
14. **Casazza K**, Thomas O. (2009). Do dietary modifications made prior to the pubertal transition have the potential to decrease pediatric obesity? A developmental perspective. *ICAN: Infant, Child, & Adolescent Nutrition*. Oct;1:271-281.
15. Del Corral P, Chandler-Laney PC, **Casazza K**, Gower BA, Hunter GR. (2009). Effect of dietary adherence with or without exercise on weight loss: a mechanistic approach to a global problem. *J Clin Endocrinol Metab*. May;94(5):1602-7. PMID: PMC2684471
16. **Casazza K**, Dulin-Keita A, Gower BA, Fernandez JR. (2009). Intra-abdominal fat is related to metabolic risk factors in Hispanic Americans, African Americans and in girls. *Acta Paediatr*. Dec;98(12):1965-71. PMID: PMC2921892.
17. Dulin-Keita A, **Casazza K**, Thomas O, Fernandez J. (2009). Neighborhood level disadvantage is associated with reduced dietary quality in children. *J Am Diet Assoc*. Sep;109(9):1612-6. PMID: PMC2760324
18. Fernandez JR, **Casazza K**, Wilkinson E, Willig AL, Hunter GR, Beasley M. (2009) Factors clustering physical activity measures are associated with adiposity in children. *Int J Body Com*, 7(3): 91-98.
19. **Casazza K**, Dulin-Keita A, PhD, Gower BA, Fernández, JR. (2009). Differential influence of diet and physical activity on components of metabolic syndrome in a multiethnic sample of children. *J Am Diet Assoc*. Feb;109(2):236-44. PMID: PMC2743425
20. Willig AL, **Casazza K**, Divers J, Bigham AW, Gower BA, Hunter GR, Fernandez JR. (2009). Uncoupling Protein 2 Ala55Val polymorphism is associated with a higher acute insulin response to glucose. *Metabolism*. Jun;58(6):877-81. PMID: PMC2704067
21. **Casazza K**, Thomas O, Dulin-Keita A, Fernandez JR. (2010). Adiposity and genetic admixture, but not race/ethnicity, influences bone mineral content in peripubertal children. *Journal of Bone and Mineral Metabolism. J Bone Miner Metab*. Jul; 28 (4):424. PMID: PMC2921161
22. Cardel M, Higgins PB, Willig AL, Keita AD, **Casazza K**, Gower BA, Fernandez JR. (2011). African genetic admixture is associated with body composition and fat distribution in a cross-sectional study of children. *Int J Obes (Lond)*. Jan;35(1):60-5.
23. Dulin-Keita A, **Casazza K**, Fernandez JR, Goran MI, Gower B. (2012). Do Neighbourhoods matter? Neighbourhood disorder and long-term trends in serum cortisol levels. *J Epidemiol Community Health*. Jan;66(1):24-9.
24. **Casazza K**, Page GP, Fernandez JR. (2010). The association between the rs2234693 and rs9340799 estrogen receptor alpha gene polymorphisms and risk factors for cardiovascular disease: A Review. *Biol Res Nurs*. Jul;12(1):84-97.
25. De Luca M, Klimentidis Y, **Casazza K**, Lok KH, Hunter, Fernández JR. (2010). Conserved regulation of energy homeostasis by a member of the Syndecan gene family. *PLoS One*. Jun 23;5(6):e11286. PMID: PMC2890571.
26. Willig AL, **Casazza K**, Dulin-Keita A, Franklin F, Amaya M, Fernandez JR. (2010). Adjusting adiposity and body weight measurements for height alters the relationship with blood pressure in children. *Am J Hypertens*. Aug;23(8):904-10. PMID: PMC2998040
27. Hanks LJ, **Casazza K**, Willig AL, Cardel MI, Beasley TM, Fernandez JR. (2010). Associations among calcium intake, resting energy expenditure, and total body fat in a multiethnic sample of children. *J Pediatr*. Sep;157(3):473-8. PMID: PMC2926136
28. **Casazza K**, Willig AL, Gower BA, Hunter GR, Wallace S, Amaya M, Franklin F, Beasley M, Fernandez JR. (2010). The role of European genetic admixture in the etiology of the insulin resistance syndrome in children- Are the effects mediated by fat accumulation? *J Ped*. Jul;157(1):50-56.e.1. PMID: PMC3119818
29. Hanks LJ, **Casazza K**, Alvarez JA, Fernandez JR. (2010) Does fat fuel the fire? The relationship among fat, bone and cytokines in healthy peri-pubertal children. *J Ped Endo Met*. Dec;23(12)1233-4

30. **Casazza K**, Hanks, LJ, Beasley TM, Fernandez JR. (2011). Beyond thriftiness-Independent and interactive effects of genetic and dietary factors variations in fat deposition and distribution across populations. *Am J Phys Anthropol*. Jun;145(2):181-91. [Epub ahead of print]
31. Klimentidis YC, Divers J, **Casazza K**, Beasley TM, Allison DB, Fernandez JR. (2011). Ancestry informative markers on chromosome 2, 8, and 15 are associated with insulin-related traits in a racially diverse sample of children. *Hum Genomics*. Jan 1;5(2):79-89. PMID: PMC3146800
32. Dulin-Keita A, **Casazza K**, Thomas O, Fernandez JR. (2011). Neighborhood Perceptions Affect Dietary Behaviors and Diet Quality. *J Nutr Ed Behav*. Jul-Aug;43(3):244-50. PMID: PMC3013241
33. Willig AL, Hunter GR, **Casazza K**, Heimburger DC, Beasley TM, Fernandez JR. (2011). Body fat and racial genetic admixture are associated with aerobic fitness levels in a multiethnic pediatric population. *Obesity*. Jul;32(13):1657-63. PMID: PMC3182292
34. **Casazza K**, Granger WM, Wallace S, Gower BA. (2011). Can reduction in dietary carbohydrate play a role in normalizing the endocrine-metabolic state perturbed during the pubertal transition? The PRIMO Pilot Study. *Journal of Infant, Child and Adolescent Nutrition*. Feb;3(1):31-37.
35. Cardel M, Dulin-Keita A, **Casazza K**. Contributors to Pediatric Obesity in Adolescence: More than just Energy (Im)balance. *The Open Obesity Journal*, 2011, 3, 17-26.
36. **Casazza K**. Developmental Origins of Obesity: A Critical Periods Perspective. Editorial. *The Open Obesity Journal*, 2011, 3, 1-3.
37. Goree LL, Chandler-Laney P, Ellis AC, **Casazza K**, Granger WM, Gower BA. (2011). Dietary macronutrient composition affects β -cell responsiveness but not insulin sensitivity. *Am J Clin Nutr*. Jul;94(1):120-7.
38. **Casazza K**, Hanks LJ, Fernandez JR. (2011) Shorter sleep may be a risk factor for impaired bone mass accrual in childhood. *J Clin Densitom*. Oct-Dec;14(4):453-7.
39. **Casazza K**, Hanks LJ, Hidalgo B, Hu HH, Affuso O. (2012) Short-term physical activity intervention decreases femoral bone marrow adipose tissue in young children: a pilot study. *Bone*. Jan;50(1):23-7.
40. **Casazza K**, Fernandez J, Allison DB. Modest protective effects of breastfeeding on obesity: is the evidence truly supportive? *Nutrition Today*. Jan-Feb;47(1):33-38.
41. Cardel M, Willig AL, Dulin-Keita A, **Casazza K**, Beasley TM, Fernandez JR. (2012). Parental feeding practices and socioeconomic status are associated with child adiposity in a multiethnic sample of children. *Appetite*. Feb;58(1):347-53.
42. Klimentidis YK, Dulin-Keita A, **Casazza K**, Willig AL, Allison DB, Fernandez JR. (2012). Genetic admixture, social-behavioural factors and body composition are associated with blood pressure differently by racial-ethnic group among children. *J Hum Hypertens*. Feb; 26(2):98-107
43. Fernandez JR, Klimentidis YC, Dulin-Keita A, **Casazza K**. (2012). Genetic influences in childhood obesity: recent progress and recommendations for experimental designs. *Int J Obes (Lond)*. Apr;36(4): 479-84.
44. **Casazza K**, Cardel M, Dulin-Keita A, Hanks LJ, Gower BA, Newton AL, Wallace S. (2012). Reduced carbohydrate diet to improve metabolic outcomes and decrease adiposity in obese peripubertal African American girls. *J Pediatr Gastroenterol Nutr*. Mar;54(3):336-42.
45. Gower BA, Goree LL, Chandler-Laney PC, Ellis AC, **Casazza K**, Granger WM. (2012). A higher-carbohydrate, lower-fat diet reduces fasting glucose concentration and improves β -cell function in individuals with impaired fasting glucose. *Metabolism*. 61:358-65. PMID: PMC3248972
46. Ellis A, Chandler-Laney P, **Casazza K**, Goree LL, McGwin G, Bower BA. (2012). Circulating ghrelin and GLP-1 are not affected by habitual diet. *Regulatory Peptides*. 176(1-3); 1-5. (PMC3348389)
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Book Chapters

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Master's Thesis:

Brandon Sherrod, Department of Biomedical Engineering, UAB, Design of a Torsion Tester for Measuring Murine Bone Properties for Biomedical Testing Applications

Nkele Davis, Department of Biomedical Engineering, UAB, "Mechanical Characterization of Bone in Diabetic Murine Models"

Jake Fletcher, Department of Biomedical Engineering Honors Program, Characterization of Cortical and Cancellous Bone Strength in Diabetic Murine Models

Michelle Davis, Department of Nutrition Sciences, UAB, Does a Reduction in Carbohydrate Affect Bone Marrow Adiposity via Effects on Lipid Profile and Inflammation?

Alexandra French, Department of Human Studies, Baseline Measures Associated With Subsequent Weight Loss In Overweight Girls

Danielle Lorch, Department of Psychology, The relationship between BMI, body image, and self-esteem moderates by race: Comparisons among Caucasian and African-American pre-adolescent girls

Dissertations:

Michelle Cardel, Department of Nutrition Sciences, Childhood Obesity: The Role of Genetic Admixture, Parental Feeding Practices and the School Food Environment

Veeradej Pisrasert, Insulin Resistance, Lipids, and the Metabolic Syndrome Trait Cluster: Impact of Race and Very Low Calorie Diet

What about Gilbert's bone boy who did horribly?

Swappy?