

Curriculum Vitae

1. Name: Jennifer K. Frediani, PhD, RD, ACSM-CES

2. Mailing Address: 651 Clairemont Ave, Decatur, GA 30030
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3. E-mail Address: jfredia@emory.edu website: <http://jennifer.frediani.net>

4. Citizenship: United States

5. Current Titles and Affiliations:

2018-present Assistant Professor, Research Track, Nell Hodgson Woodruff School of Nursing, Emory University

6. Previous Academic and Professional Appointments:

2003-2004 Clinical Dietitian, Tanner Health System, Carrollton, GA
2004-2005 Graduate Assistant, Georgia State Recreation and Fitness Center, Atlanta, GA
2005-2006 Research Assistant, Department of Nutrition, Georgia State University, Atlanta, GA
2005-2006 Dietitian and Fitness Professional, Managed Care Outsource, Inc., Atlanta, GA
2006 Intern, Corporate Wellness Department, The Home Depot, Atlanta, GA
2006-2007 Nutrition Coach and Metabolic Specialist, Lifetime Fitness Inc., Atlanta, GA
2007-2011 Bionutrition Research Director, Atlanta Clinical and Translational Science Institute, Emory University, Atlanta, GA
2013 Fellow, Centers for Disease and Control and Prevention, Division of Nutrition, Physical Activity and Obesity (NHS Program rotation)
2011-2014 PhD graduate student, Emory University, Laney Graduate School, Graduate Division of Biological and Biomedical Sciences, Nutrition and Health Sciences Program, Atlanta, GA
2014-2016 Post-Doctoral Fellow, Emory College of Arts and Sciences, Center for the Study of Human Health, Atlanta, GA
2016-2018 Post-Doctoral Fellow, Emory University School of Medicine, Dept of Pediatrics, Atlanta, GA

7. Licensures and certifications:

2003-present Registered Dietitian, United States
2003-2011 Licensed Dietitian, Georgia
2005-present Clinical Exercise Specialist, American College of Sports Medicine

8. Education:

- 1998-2002 **Bachelor of Science** (Dietetics and Nutrition)
Georgia State University, Atlanta, GA
- 2002-2003 **Dietetic Internship**
Utah State University (Distance Learning)
Norfolk General Hospital, Virginia Beach Public School System,
Virginia Beach WIC Food Program, Virginia Beach, VA
- 2004-2006 **Masters of Science** (Exercise Science)
Georgia State University, Atlanta, GA
- 2011-2014 **Doctorate of Philosophy**
Emory University, Laney Graduate School, Graduate
Division of Biological and Biomedical Sciences,
Nutrition and Health Sciences Program

9. Committee Memberships:

9a. National:

- 2008-2009 Member, Nutrition-Exercise Taskforce, Clinical Research
Innovation Key Functions Committee, Clinical and Translational
Science Award Program, NIH/NCRR
- 2009-2011 Chair, Education Committee, National Association of
Bionutritionists

9b. Local:

- 2009-2014 Secretary/Board Member, Georgia Coalition of Physical Activity
and Nutrition

9c. Institutional:

- 2009-2011 Board of Directors, Co-organizer Atlanta Research Consortium for
Nutrition and Exercise (ARC-NEx), Atlanta Clinical and
Translational Science Institute

10. Manuscript Reviewer:

- 2014-present Diagnostic Microbiology and Infectious Disease
2014-present Advances in Nutrition
2014-present Clinical Nutrition
2015-present Annals of American Thoracic Society
2016-present Journal of Clinical & Translational Endocrinology
2017-present Environmental Health
2017-present SM Journal of Nutrition and Metabolism

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2018-present Nutrients

11. Grant Reviewer

2016-present North Carolina Biotechnology Center's Institutional Development Program
2016-present Yale Diabetes Research Center Pilot Grant
2016-present NSF/NIH Smart & Connected Health (SCH) Program Solicitation, NSF 16-601

12. Society Memberships:

2000-2012 American Dietetic Association
2000-2012 Greater Atlanta Dietetic Association – Member
2008-2012 Nutrition Research Dietetic Practice Group
2004-present American College of Sports Medicine – Member
2009-present American Society for Nutrition
2015-present Metabolomics Society
2017-present Metabolomics Association of North America

13. Honors:

2017 UAB Metabolomics Workshop Travel Award
2015 NIH Travel Award – Metabolomics Society
2014 Global Nutrition Student Award
2013 Dietary Supplement Research Practicum Travel Award (ODS)

14. Grants and Awards:

Current Funding

Georgia Center for Diabetes Translational Research Pilot Grant 01/01/18 – 12/31/2018

Feasibility of a Soccer-based Adaptation of the Diabetes Prevention Program

The goal of this pilot project is to determine feasibility of a translation of the DPP to incorporate recreational soccer and DPP facilitation in the field by coaches in Hispanic males.

Role: **Principal Investigator**

K01 NR016984-01 (Carlson) 04/01/17 – 04/01/20

Metabolomics of Labor Dysfunction in African-American Women

The goal of this project is to use metabolomics to understand labor dysfunction in a cohort of African American women of differing socioeconomic backgrounds.

Role: **Consultant**

1UG3OD023318-01 (Dunlop/Brennan/Corwin(MultiPI)) 09/21/16 – 09/20/18
NIH/Office of the Director

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The Impact of the Intrauterine & Early Childhood Environments on Neurocognitive and Metabolic Development in African American Youth: Focus on the Microbiome Gut-Brain Axis

Dr. Dunlop is the Contact PI for this study which merges Emory's Atlanta-based Birth Cohort with other cohorts around the nation investigating child health outcomes of high public health relevance.

Role: **Consultant**

Past Funding

K24 DK096574 (Ziegler) 07/01/07-06/30/17

NIH/NIDDK

Patient Oriented Research in Clinical Nutrition

Role: **Graduate Student**

UL1 TR000454 (Stephens) 09/17/07-05/31/17

NIH/NCATS

Atlanta Clinical and Translational Science Institute (ACTSI)

Role: **Bionutrition Research Director**

Emory Global Health Institute (Ziegler) 05/01/08-04/30/14

Impact of Vitamin D Supplementation on Host Immunity to *Mycobacterium tuberculosis* and Response to Treatment in the Republic of Georgia: Building Translational Research Capacity

Role: **Research Dietitian and Graduate Student**

Global Health Institute Multidisciplinary Team Field Scholar 03/01/12-01/01/13

Evaluation of Dietary Practices and Malnutrition among Women of Reproductive Age in El Alto, Bolivia

Role: **Co-Investigator**

R21 HD0809056 (Vos) 07/01/16-06/30/18

NIH NICHD

Anti-LPS Antibody for Pediatric Nonalcoholic Fatty Liver Disease

The major goals of this phase II clinical study is to test the preliminary efficacy, safety and mechanisms of a hyperimmune milk product in the treatment of pediatric NAFLD.

Role: **Co-Investigator**

Nutrition Science Initiative (NuSI) grant (Vos) 05/2015-11/2016

A Dietary Treatment Trial for Pediatric NAFLD

This is a multicenter, 8 week RCT of a sugar reduction study in children with biopsy diagnosed NAFLD.

Role: **Co-Investigator**

1U2CES026560-01 (G.Miller) 09/30/15-08/31/19

NIH NIEHS

National Exposure Assessment Laboratory at Emory University

The major goals of this project are to provide targeted and untargeted toxicant and metabolomics analysis in the CHEAR network.

Role: **Co-Investigator of Development Core**

HERCULES Pilot Grant (Marsit)

05/01/17-04/30/18

Arsenic Exposure in Children with Nonalcoholic Fatty Liver Disease: A Pilot Study

The major goal of this pilot case control study is to collect preliminary data on arsenic levels in children with and without NAFLD.

Role: **Co-Investigator**

15. Organization of Local/Regional Conferences:

11/2010	Chair, Annual Meeting, Georgia Coalition of Physical Activity and Nutrition
10/8/2008	Co-organizer, Clinical/Translational Exercise Research Symposium, Atlanta Clinical and Translational Science Institute
5/20/2009	Co-organizer, Clinical/Translational Nutrition Research Symposium, Atlanta Clinical and Translational Science Institute

16. Research Focus:

My long-term professional goal is to develop an independently funded clinical and translational nutrition and metabolomic research program to investigate mechanistic effects of diet and exercise in chronic diseases such as cardiovascular disease. I have extensive expertise in nutrition and exercise-related clinical trials from my appointment as Director of Bionutrition Research Core at the Atlanta Clinical and Translation Science Institute (ACTSI) (now the Georgia CTSA). I was intimately involved with study design, implementation, analysis and publication. I have strong hands-on experience with dietary assessment and body composition techniques from my work at the ACTSI and my graduate work where I have developed several dietary assessment tools globally. I currently utilize metabolomics analysis techniques to detect metabolism changes in various chronic diseases, such as nonalcoholic fatty liver disease in children, hypertension and diabetes in pregnancy and labor dysfunction among obese women. I also conduct Diabetes Prevention Program lifestyle management trials using sport, specifically soccer in the Latin American community.

17. Formal Teaching:

a. Curriculum and course development:

2017	Chronic Disease Epidemiology (AEPI 555D), Rollins School of Public Health Executive Masters of Public Health (online)
2017	Introduction to Clinical Nutrition for Nursing (NRSG 207) Nell Hodgson Woodruff School of Nursing (online)

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- 2015 What's the Skinny on Fat? (HLTH 190) Freshman seminar
- 2015 Nutrition Science Minor, Center for the Study of Human Health Major, Emory University
- 2015 Mythbusters (revised to HLTH420) The original course introduced in 2012 was revamped in 2015 to serve as the capstone course of the Nutrition Science minor
- 2013 Introduction to Nutrition (HLTH 220), Emory University
- 2012 Mythbusters (HLTH120) - This represents the first undergraduate Nutrition course at Emory University.
- 2011 Introduction to nutrition course to physicians and nurses in Tbilisi, Republic of Georgia

b. Emory University:

- 2018-present *Introduction to Clinical Nutrition for Nursing*, Nell Hodgson Woodruff School of Nursing (online)
- 2017-present *Chronic Disease Epidemiology (AEPI 555D)*, Rollins School of Public Health Executive Masters of Public Health (online)
- 2016-present *Reoccurring Guest Lecturer*, Nutrition and Health Sciences Graduate Program, Rollins School of Public Health, Emory University
- 2015-present *Reoccurring Guest Lecturer*, Physician Assistant Program, Emory School of Medicine, Emory University
- 2016 *Instructor*, Mythbusters, Emory College
- 2016 *Instructor*, Freshman Seminar "What's the Skinny of Fat?", Emory College
- 2016 *Co-Instructor*, Textbook to Table, Emory College
- 2015 *Instructor*, Introduction to Nutrition Science, Emory College
- 2015 *Instructor*, Freshman Seminar "What's the Skinny of Fat?", Emory College

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2015	<i>Guest Lecturer</i> , Human Nutrition II, Nutrition and Health Sciences Graduate Program
2014	<i>Instructor</i> , Nutrition and Chronic Disease, Emory College
2013-2015	<i>Co-Instructor</i> , Introduction to Nutrition Science, Emory College
2012-2015	<i>Co-Instructor</i> , Mythbusters, Emory College
2008-2010	<i>Guest Lecturer</i> , Nutrition/Metabolism Module; M1 class, Emory University School of Medicine
2007-2012	<i>Guest Lecturer</i> , Nutrition Assessment, Nutrition and Health Sciences Graduate Program
2007-2012	<i>Guest Lecturer</i> , Nursing class seniors, Nell Hodgson Woodruff School of Nursing

c. Student Mentoring:

1. Graduate students directly supervised: (Date, Name, Position)

2017	Clarisa Hernandez, BS	First year MPH Student, Behavioral Sciences and Health Education, Rollins School of Public Health, Emory University
2017	Alan Bienvenida, BS	First year MPH Student, Behavioral Sciences and Health Education, Rollins School of Public Health, Emory University
2017	Kate Krasnodemski, BS	First year MPH Student, Environmental Health, Rollins School of Public Health, Emory University
2017	Eric Naioti, BS	First year MPH Student, Biostatistics and Bioinformatics, Rollins School of Public Health, Emory University
2016	Siran He, MSPH	Second year PhD Student, Nutrition and Health Sciences, Rollins School of Public Health, Emory University
2014-2016	Ellen M. Smith, BS	Third year PhD Student, Nutrition and Health Sciences, Graduate Division of Biological and Biomedical Sciences, Emory University

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2010-2012	Erin Ferranti, MS, RN	Fourth year PhD Student, Emory Nell Hodgson Woodruff School of Nursing
2010	Allison Sylvetsky, BS	Third year PhD Student, Nutrition and Health Sciences, Graduate Division of Biological and Biomedical Sciences, Emory University

2. Post-doctoral fellows directly supervised:

2013-2016	Nida Shaikh, PhD, RD	Fogarty Fellow, Nutrition and Health Sciences, Rollins School of Public Health, Emory University
2013-2015	Jennifer L. Jones, PhD, RD	Postdoctoral Research Fellow, Division of Endocrinology, Metabolism and Lipids, Department of Medicine, Emory University

3. Undergraduate Research/Honors Thesis:

2015-2016 (Chair)	Andrea Molino	An American college student's perspective on food culture and the French paradox: a comparative, ethnographic study
2015-2016	Camira Williams-Liggins	The effects of nutritional health knowledge on food preference in adolescent teens from Metropolitan Atlanta
2014-2015	Eddy Golden	The role of religion on obesity and lifestyle among college students

d. Other Categories:

2015	Served as a judge for the Division Student Advisory Council Annual Research Symposium
2013	Metabolomics and Tuberculosis: Preliminary results from the high-dose vitamin D trial in Tbilisi, Georgia, Invited Speaker, Atlanta Vitamin D Research Seminar Series, Emory University
2013	Served as a judge for the Spirit of Innovation Challenge through the American Society for Nutrition
2012	Nutritional Assessment of Pulmonary tuberculosis patients in the Republic of Georgia, Invited Speaker, Atlanta Vitamin D Research Seminar Series, Emory University
2011	Introduction to nutrition course to physicians and nurses in Tbilisi, Republic of Georgia

- 2011 Thesis Committee Member – Jessica Hill (Georgia State University) The relationship between diet quality and the comorbidity of diabetes in adults with heart failure
- 2009 The Center for Health Discovery and Well Being, Invited Speaker, Georgia Dietetic Association Annual Meeting, Calloway Gardens
- 2008-2011 Dietetic Intern Research Rotation (Georgia State and Emory University Hospital Intern Programs), Atlanta Clinical and Translational Science Institute (Nida Shaikh, Erin Millson, Jessica Hill, Lindsey Stricker)

18. Publications:

18a. Original manuscripts:

1. Lin E, Liang Z, **Frediani J**, Davis SS, Sweeney JF, Ziegler TR, Phillips LS, Gletsu-Miller N. Improvement in β -cell function in patients with normal- and hyperglycemia following roux-en-Y gastric bypass surgery. *American Journal of Physiology-Endocrinology and Metabolism* 2010; 299: E706-712. PMID: PMC2980357
2. Grossniklaus DA, Dunbar SB, Tohill BC, Gary R, Higgins MK, **Frediani J**. Psychological factors are important correlates of dietary pattern in overweight adults. *Journal of Cardiovascular Nursing* 2010; 25:450-460. PMID: PMC3086895
3. Desai NS, Tukvadze N, **Frediani JK**, Kipiani M, Sanikidze E, Nichols MM, Hebbar, G, Kempker R, Mirtskhulava V, Kalandadze I, Seydafkan S, Sutaria N, Chen TC, Blumberg HM, Ziegler TR, Tangpricha V. Effects of sunlight and nutrition on vitamin D status of pulmonary tuberculosis patients in Tbilisi, Georgia. *Nutrition* 2012; 28: 362-366. PMID: PMC3303957
4. Gletsu-Miller N, Broderius M, **Frediani JK**, Zhao VM, Griffith DP, Davis SS Jr, Sweeney JF, Lin E, Prohaska Jr, Ziegler TR. Incidence and prevalence of copper deficiency following roux-en-y gastric bypass surgery. *International Journal of Obesity* 2012; 36: 328-335. PMID: 21530408
5. Grossniklaus DA, Dunbar SB, Gary R, Tohill BC, **Frediani JK**, Higgins MK. Dietary energy density: A mediator of depressive symptoms and abdominal obesity or independent predictor of abdominal obesity? *European Journal of Cardiovascular Nursing* 2012; 11: 423-431. PMID-In-Process
6. Salvo D, **Frediani JK**, Ziegler TR, Cole CR. Food group intake patterns and nutrient intake vary across low-income Hispanic and African American preschool children in Atlanta: a cross sectional study. *Nutrition Journal* 2012; 11: 62. PMID: PMC3487737
7. Ferranti EP, Dunbar SB, Higgins M, Dai J, Ziegler TR, **Frediani JK**, Reilly C, Brigham KL. Psychosocial factors associated with diet quality in a working adult population. *Research in Nursing & Health* 2013; 36: 246-256. PMID: PMC3930879.
8. Gletsu-Miller N, Kahn HS, Gasevic D, Liang Z, **Frediani JK**, Torres WE, Ziegler TR, Phillips LS, Lin E. Sagittal abdominal diameter and visceral adiposity: correlates of Beta-cell function

and dysglycemia in severely obese women. *Obesity Surgery* 2013; 23: 874-881. PMID: PMC3750719

9. **Frediani JK**, Reilly CM, Higgins M, Clark PC, Gary RA, Dunbar SB. Quality and adequacy of dietary intake in a southern urban heart failure population. *Journal of Cardiovascular Nursing* 2013; 28:119-128. PMID: PMC3681951

10. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Easley KA, Shenvi N, Ramakrishnan U, Tangpricha V, Blumberg HM, Ziegler TR. A culture-specific nutrient intake assessment instrument in patients with pulmonary tuberculosis. *Clinical Nutrition* 2013; 32(6): 1023-8. PMID: 23541173

11. Dunbar SB, Clark PC, Reilly CM, Gary RA, Smith A, McCarty F, Higgins M, Grossniklaus D, Kaslow N, **Frediani J**, Dashiff C, Ryan R. A trial of family partnership and education interventions in heart failure. *J Card Fail.* 2013 Dec;19(12):829-41. PMID: PMC3869235.

12. Ziegler TR, McComsey GA, **Frediani JK**, Millson EC, Tangpricha V, Eckard AR. Habitual nutrient intake in HIV-infected youth and associations with HIV-related factors. *AIDS Res Hum Retroviruses.* 2014 Sep;30(9):888-95. PMID: PMC4151064.

13. **Frediani JK**, Jones DP, Tukvadze N, Uppal K, Sanikidze E, Kipiani M, Tran VT, Hebbar G, Walker DI, Kempker RR, Kurani SS, Colas RA, Dalli J, Tangpricha V, Serhan CN, Blumberg HM, Ziegler TR. Plasma metabolomics in human pulmonary tuberculosis disease: a pilot study. *PLOS One.* 2014 Oct; 9(10): e108854. PMID: 25329995.

14. **Frediani JK**, Sanikidze E, Kipiani M, Tukvadze N, Hebbar G, Ramakrishnan U, Jones DP, Easley KA, Shenvi N, Kempker RR, Tangpricha V, Blumberg HM, Ziegler TR. Macronutrient intake and body composition during anti-tuberculosis therapy in adults with tuberculosis disease. *Clin Nutr.* 2016; 35(1): 205-12. PMID: 25753551

15. Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Easley KA, Shenvi N, Kempker RR, **Frediani JK**, Mirtskhulava V, Alvarez JA, Lomtadze N, Vashakidze L, Hao L, Del Rio C, Tangpricha V, Blumberg HM, Ziegler TR. High-dose vitamin D₃ in adults with pulmonary tuberculosis: a double blind, randomized, controlled trial. *American Journal of Clinical Nutrition* 2015; 102(5): 1059-69. PMID: 26399865.

16. Shaikh NI, **Frediani JK**, Ramakrishnan U, Patil SS, Yount KM, Martorell R, Narayan KMV, Cunningham, SA. Development and evaluation of a Nutrition Transition-FFQ for adolescents in South India. *Public Health Nutrition* 2017; 1-11. PMID: 28069093.

17. Alvarez JA, Chong EY, Walker DI, Chandler JD, Smith EM, Grossman RE, Uppal K, Li S, **Frediani JK**, Tirouvanziam R, Tran VT, Tangpricha V, Jones DP, Ziegler TR. Plasma metabolomics in adults with cystic fibrosis during a pulmonary exacerbation: a pilot randomized study of high-dose vitamin D₃ administration. *Metabolism: Clinical and Experimental* 2017; 70:31-41. PMID: 28403943

18. Cioffi CE, Welsh JA, Cleeton RL, Caltharp S, Romero R, Wulkan ML, Konomi JV, **Frediani JK**, Vos MB. Natural history of NAFLD diagnosed in childhood: A Single-Center Study. *Children* 2017; 4(5) E34 PMID 28467377.

19. He S, Le NA, **Frediani JK**, Cardiometabolic risks vary by weight status in pediatric kidney and liver transplant recipients: a cross-sectional, single-center study in the USA. *Pediatr Transplant* 2017; e12984. PMID: 28718192
20. Jin R, **Frediani JK**, Holzberg J, Vos MB. Role of PAI-1 in pediatric obesity and nonalcoholic fatty liver disease. *Curr Cardiovasc Risk Rep* 2017;11(3):11.
21. **Frediani JK**, Naioti EA, Vos MB, Figueroa J, Marsit CJ, Welsh JA. Arsenic exposure and risk of nonalcoholic fatty liver disease (NAFLD) among U.S. adolescents and adults: an association modified by race/ethnicity, NHANES 2005-2014. *Environ Health* 2018;17(1):6.
22. Vos MB, Jin R, Konomi JV, Cleeton R, Cruz J, Karpen S, Rodriguez DS, **Frediani JK**, McCracken C, Welsh J. A randomized, controlled, crossover pilot study of losartan for pediatric nonalcoholic fatty liver disease. *Pilot Feasibility Stud.* 2018; 4:109.
23. Arsik I, **Frediani JK**, Frezza D, Chen W, Ayer T, Keskinocak P, Jin R, Konomi JV, Barlow SE, Xanthakos SA, Lavine JE, Vos MB. Alanine aminotransferase as a monitoring biomarker in children with nonalcoholic fatty liver disease: a secondary analysis using TONIC trial data. *Children.* 2018 5(6): E64.

18b. Abstracts presented at national/international conferences:

1. Grossniklaus DA, Tohill BC, **Frediani J**, Lee J, Higgins MK, Gary R. Depressive symptoms are important correlates of dietary energy density in overweight adults. Southern Nurses Research Society Annual Conference, Baltimore, MD, February 12, 2009. Published in *Circulation: Cardiovascular Quality and Outcomes* 2012; 2: e47.
2. Reilly CM, **Frediani J**, Clark PC, Gary RA, Higgins M, Smith AL, and Dunbar SB. Quality and adequacy of dietary intake in a southern urban heart failure population. American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Washington D.C., April 25, 2009. *Circulation* 2012; 117(2): 155.
3. Grossniklaus DA, **Frediani J**, Higgins MK, Gary R, Dunbar SB. Depressive symptoms and dietary patterns associated with cardiometabolic risk in overweight adults. American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Washington D.C., April 25, 2009. Published in *Circulation: Cardiovascular Quality and Outcomes* 2012; 2: e47.
4. Ferranti EP, Dai J, Ziegler TR, Brigham K, **Frediani J**, Higgins M, Reilly C, Dunbar SB. Psychosocial correlates of diet quality in working adults. Southern Nursing Research Society Annual Conference, Austin, Texas, February 3-6, 2010. Published in *Southern Online Journal of Nursing Research* 2009; 9: Supplement.
5. Schwartz, J., **Frediani, J.**, Gletsu-Miller, N. Wellness coaching improves self-efficacy scores in patients undergoing bariatric surgery. The Obesity Society. *Obesity* 2010; 18 (supplement 2): S166.

6. Kipiani M, **Frediani JK**, Sanikidze E, Tukvadze N, Kempker R, Mirtskhulava V, Kalandadze I, Ziegler TR. Dietary vitamin and mineral intake of pulmonary tuberculosis patients in Tbilisi, Georgia. 42nd World Union Conference on Lung Health, Lille, France October 26-30, 2011.
7. Sanikidze E, **Frediani JK**, Kipiani M, Tukvadze N, Kempker R, , Kalandadze I, Blumberg H, Ziegler TR. Macronutrient intake and body composition of pulmonary tuberculosis patients in Tbilisi, Georgia. 42nd World Union Conference on Lung Health, Lille, France October 26-30, 2011.
8. Grossniklaus DA, Tohill BC, **Frediani J**, Higgins MK, Gary R, Dunbar SB. Depressive symptoms are important correlates of dietary energy density in overweight adults. Preventive Cardiovascular Nurses Association 15th Annual Symposium, Dallas, TX, April 16-17, 2009. Published in *Southern Online Journal of Nursing Research* 2012; 9: Supplement.
9. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Ramakrishnan U, Martorell R, Ziegler TR. Validation study of a novel food/nutrient intake tool in pulmonary tuberculosis in Tbilisi, Georgia. Experimental Biology, American Society for Nutrition, San Diego, CA April 23, 2012. *The FASEB Journal* 2012; 26 (Meeting Abstracts): 7.1.
10. **Frediani JK**, Tukvadze N, Kipiani M, Sanikidze E, Kempker R, Ziegler TR. Dietary vitamin and mineral intake of pulmonary tuberculosis patients in Tbilisi, Georgia. Experimental Biology, American Society for Nutrition, Boston, MA April 21, 2013. *The FASEB Journal* 2012; 27 (Meeting Abstracts): 14.1.
11. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Kempker R, Ziegler TR. Macronutrient intake and body composition of pulmonary tuberculosis patients in Tbilisi, Georgia. Experimental Biology, American Society for Nutrition, Boston, MA April 21, 2013. *The FASEB Journal* 2013; 27 (Meeting Abstracts): 14.1.
12. Alvarez JA, Mazer LM, Hebbar G, **Frediani JK**, Benton SM, Grossman RE, Combs GF, Tangpricha V, Ziegler TR. Micronutrient status during acute pulmonary exacerbation in adult cystic fibrosis. North American Cystic Fibrosis Conference, Salt Lake City, UT October 17, 2013.
13. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Tangpricha V, Blumberg HM, Ziegler TR. Macronutrient intake and body composition of pulmonary tuberculosis patients in Tbilisi, Georgia. 44th Union World Conference on Lung Health, Paris, France November 2, 2013.
14. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Tangpricha V, Blumberg HM, Ziegler TR. Micronutrient status of pulmonary tuberculosis patients in Tbilisi, Georgia. 44th Union World Conference on Lung Health, Paris, France November 2, 2013.
15. Alvarez JA, Mazer LM, Hebbar G, **Frediani JK**, Benton SM, Grossmann RE, Combs GF, Tangpricha Vin, Ziegler TR. Micronutrient status during acute pulmonary exacerbation in adult cystic fibrosis. Poster. North American Cystic Fibrosis Conference, Salt Lake City, UT, October 2013. (Published in *Pediatric Pulmonology* 2013; Supplement 36:403.)
16. Alvarez, JA, **Frediani JK**, Jones DP, Grossmann RE, Uppal K, Tangpricha V, Ziegler TR. Plasma metabolomic profiling in adults with cystic fibrosis and cystic fibrosis-related diabetes.

Oral Presentation. Experimental Biology/American Society for Nutrition Annual Meeting. San Diego, CA, April 2014. (Published in *The FASEB Journal* 2014;28:248.1)

17. **Frediani JK**, Park Y, Hebbar G, May AK, Wischmeyer PE, Sax HC, Kudsk KA, Uppal K, Jones DP, Ziegler TR. Plasma metabolomic profiles associated with hospital mortality in surgical critical illness. Oral Presentation. Experimental Biology/American Society for Nutrition Annual Meeting. San Diego, CA, April 2014. (Published in *The FASEB Journal* 2014;28:248.2)

18. **Frediani JK**, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Tangpricha V, Blumberg HM, Ziegler TR. Drug susceptibility influences macronutrient intake and body composition in tuberculosis patients. Experimental Biology/American Society for Nutrition Annual Meeting. San Diego, CA, April 2014. (Published in *The FASEB Journal* 2014;28:1014.4)

***Global Nutrition Council Student Poster Award**

19. **Frediani JK**, Jones DP, Tukvadze N, Sanikidze E, Kipiani M, Uppal K, Kurani SS, Hebbar G, Colas RA, Dalli J, Serhan CN, Tangpricha V, Blumberg HM, Ziegler TR. Plasma high-resolution metabolomic profiling reveals upregulation of specific resolvins in patients with pulmonary tuberculosis. Oral Presentation. Experimental Biology/American Society for Nutrition Annual Meeting. San Diego, CA, April 2014. (Published in *The FASEB Journal* 2014;28:248.3)

20. Jones JL, **Frediani JK**, Tukvadze N, Kipiani M, Sanikidze E, Hebbar G, Booth S, Blumberg HM, Tangpricha V, Ziegler TR. Retinol and tocopherol status in pulmonary tuberculosis patients in the country of Georgia. Experimental Biology/American Society for Nutrition Annual Meeting. San Diego, CA, April 2014. (Published in *The FASEB Journal* 2014;28:804.29)

21. **Frediani JK**, Chong E, Jones DP, Yu T, Zhang L, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Tran VT, Kempker RR, Tangpricha V, Blumberg HM, Ziegler TR. Comparative plasma high-resolution metabolomic profiling in patients with drug-susceptible and multi-drug resistant pulmonary tuberculosis. Experimental Biology/American Society for Nutrition Annual Meeting. Boston, MA, March 2015.

22. **Frediani JK**, Chong E, Jones DP, Yu T, Zhang L, Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, Tran VT, Kempker RR, Alvarez JA, Tangpricha V, Blumberg HM, Ziegler TR. High-resolution metabolomic profiling can distinguish multidrug resistant pulmonary tuberculosis in human plasma. Metabolomics Society Annual Meeting. San Francisco, CA, June 2015.

23. **Frediani JK**, Naioti EA, Vos MB, Figueroa J, Marsit CJ, Welsh JA. Arsenic exposure and risk of nonalcoholic fatty liver disease (NAFLD) among U.S. adolescents and adults: an association modified by race/ethnicity, NHANES 2005-2014. American Association for the Study of Liver Diseases. Washington DC, October 2017.

24. **Frediani JK**, Mitchell RM, Vos MB. Plasma and serum-based metabolomics are comparable in children with liver disease. Metabolomics Society Annual Meeting. Seattle, WA, June 2018