

Daniel J. Hoffman, Ph.D.

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School of Environmental and Biological Sciences
Department of Nutritional Sciences
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EDUCATION:

- 1999 PhD in Human Nutrition, Tufts University Friedman School of Nutrition Science and Policy, Boston, MA
Dissertation: *Risk factors for obesity in stunted children living in the shantytowns of São Paulo, Brazil.*
- 1995 Certificate in Epidemiology and Biostatistics, World Health Organization
- 1995 MPH in Epidemiology, Boston University School of Public Health, Boston, MA
- 1991 MS in Cell Biology, The Catholic University of America, Washington, DC
- 1988 BS in Nutrition and Biology, St. John's University, Collegeville, MN

EMPLOYMENT / ACADEMIC HISTORY:

- 2008-present Associate Professor, (with tenure) and Chair (2010-13). Department of Nutritional Sciences, Rutgers University, New Brunswick, NJ
- 2016-present Director, Rutgers Program in International Nutrition
- 2012- present Director; Center for Childhood Nutrition Education and Research, New Jersey Institute for Food, Nutrition and Health
- 2001-2008 Assistant Professor. Department of Nutritional Sciences, Rutgers University, New Brunswick, NJ
- 1999-2001 Research Fellow. New York Obesity Research Center, Columbia University College of Physicians and Surgeons, New York, NY.
- 1995-1999 Graduate Research Assistant, Tufts University Friedman School of Nutrition Science and Policy, Boston, MA
- 1991-1993 Biologist, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD

RESEARCH EXPERTISE:

- Energy metabolism and body composition
- Use of stable isotopes in nutrition research
- Stunting and growth retardation
- Economic development and household dietary intake

GRANTS, FELLOWSHIPS, AND AWARDS: PRINCIPAL INVESTIGATOR EXCEPT WHERE NOTED

1. *Use of Nutrient Dense Vegetables to Improve Micronutrient Status in Kenya*
Busch Biomedical Foundation, 7/1/2016 – 6/30/2018, \$25,000
2. *Income and Nutrition of Smallholder Farmers in Eastern Africa Using African Indigenous Vegetables*
United States Agency for International Development, UC-Davis, Horticulture Innovation Lab, 3/1/2015 – 4/30/2020, \$1,998,806
(20% Effort) Co-PI: James Simon, PhD
3. *Interdisciplinary Research in Global Health*
Fulbright Scholar Award, Western Hemisphere, Brazil 2014-15
4. *Childhood Nutritional Status and Maternal Autonomy and Empowerment in the Shantytowns of Brazil.*
Rutgers Institute for Women's Leadership, 6/1/2013 – 5/31/2015, \$3,000
5. *Influence of gum chewing on daily energy expenditure and food intake*
Wrigley Science Institute, 1/1/2012 – 12/31/2013, \$156,000
6. *Promoting Children's Growth With beta-Carotene-Rich Probiotics.*
Gates Foundation Challenges for Global Health, 11/1/2011 – 10/31/2013, \$100,000
(20% Effort) PI: Loredana Quadro, PhD
7. *Expertise/Innovation Award*
Tufts University Friedman School of Nutrition Science and Policy, 4/2010
8. *Egg Intake and Fetal Development*
American Egg Board – Egg Nutrition Center, 9/1/2007 – 8/31/2007, \$178,640
9. *J. William Fulbright Foreign Scholarship*
Fulbright Senior Specialist Grant in Public/Global Health
State University of Rio de Janeiro, Brazil.
10. *Child Temperament and Diet: Predictors of Weight Gain*
NIH R01 HD047338-01A1, 9/1/2005 – 8/31/2010, \$887, 165
(10% Effort) PI: Worobey, J
11. *Surveillance of childhood overweight in schools*
United States Department of Agriculture, 10/1/2005 – present, \$10,000 / year
12. *BMI as a Predictor of Disease in Developing Countries*
University of Chicago, Center for Population Economics
9/2005, Unrestricted Funds, \$20,000
13. *Dietary Changes Associated with the Emergence of Supermarkets in Bulgaria: Health, Economic, and Trade Implications*
United States Department of Agriculture, 7/1/2003 – 6/30/2008, \$45,000

14. *Small for gestational age and risk for type 2 diabetes.*
United States Department of Agriculture, New Jersey Agricultural Experiment Station,
7/1/2002 – present, \$12,000
15. *Fat distribution of children born small for gestational age*
Busch Biomedical Foundation, 7/1/2002 – 6/30/2004, \$19,500

JOURNAL ARTICLES (PEER-REVIEWED):

1. **Daniel J. Hoffman**, PhD; Thomas Cacciola; Pamela Barrios, MS; James E. Simon, PhD. 2017. Temporal changes and determinants of childhood nutritional status in Kenya and Zambia. 2017. *J Health Popul Nutr.* 5;36(1):27.
2. Silva BR, Mialich MS, **Hoffman DJ**, Jordão AA. 2017. BMI, BMIfat, BAI or BAIFels - Which is the best adiposity index for the detection of excess weight? *Nutr Hosp* 34(2):389-395.
3. Taís S Lopes, Ronir R Luiz, **Daniel J Hoffman**, Eduardo Ferriolli, Karina Pfrimer, Anibal S Moura, Rosely Sichieri, Rosangela A Pereira. 2016. Misreport of energy intake assessed with food records and 24-hour recalls compared to total energy expenditure estimated with DLW. *Eur J Clin Nutr*, 70(11):1259-1264.
4. Martins VJ, Neves AP, Garcia MC, Spadari RC, Clemente AP, de Albuquerque MP, **Hoffman DJ**, Sawaya AL. Normal cortisol response to cold pressor test, but lower free thyroxine, after recovery from undernutrition. *Br J Nutr.* 2016 Jan 14;115(1)
5. Vitor B. Paravidino, Mauro F.F. Mediano, **Daniel J. Hoffman**, Rosely Sichieri. 2016. Effect of exercise intensity on spontaneous physical activity energy expenditure in overweight boys: a crossover study. *PLoS ONE*, Jan 15;11(1).
6. Tatiana Toro-Ramos, Rosely Sichieri, and **Daniel J. Hoffman**. 2015. Maternal fat mass at mid-pregnancy and birth weight in low-income Brazilian women. *Ann Hum Biol*, Sep 22:1-7.
7. Fabiana C Albuquerque, Nassib B Bueno, Ana P Clemente, Eduardo Ferriolli Telma M Florêncio, **Daniel J Hoffman**, Ana L Sawaya. 2015. Association Between Adult Stature and Energy Expenditure in Low-Income Women From Northeastern Brazil. *PLoS One*. Jul 6;10(7)
8. Soo-Kyung Lee, So-Young Nam, and **Daniel Hoffman**. 2015. Growth retardation at early life and metabolic adaptation among North Korean children. *JDOHaD*, 6(4): 291-298.
9. Soo-Kyung Lee, So-Young Nam, and **Daniel Hoffman**. 2015. Changes in nutritional status among displaced North Korean children living in South Korea. *Ann Hum Biol*. May 15:1-4.
10. Ralitzia Dimova, Patrick Gbakou, Ira Gang, and **Daniel Hoffman**. 2014. Impact of food and economic crises on nutrition. *J Devel Studies*, 50, 12: 1687-1699.
11. Rauber F, Campagnolo PDB, **Hoffman DJ**, Vitolo MR. 2014. Consumption of ultra-processed food products and its effects on children's lipid profiles: a longitudinal study. *Nutrition, Metabolism & Cardiovascular Diseases*, Jan;25(1):116-22.
12. Lesley Wassef, Ruth Wirawan, Michael Chikindas, Paul Breslin, **Daniel Hoffman**, and Loredana Quadro. 2014. Intestine-resident β -carotene-producing bacteria provide vitamin A to mouse tissues in vivo. *J Nutr*, 144(5):608-13.
13. Tatiana Toro-Ramos, Maria Dalva Barbosa Baker Méio, Denise Streit Morsch, Maria Elisabeth Lopes Moreira, Maria das Graças Tavares do Carmo, Rosely Sichieri, and **Daniel J Hoffman**. 2013. Preterm Infant Language Development: A Role For Breastmilk Fatty Acids. *Journal of Human Growth and Development*, 23(3): 270-275.

14. Shafaie Y, Koelliker Y, **Hoffman DJ**, Tepper BJ. 2013. Energy intake and diet selection during buffet consumption in women classified by the 6-n-propylthiouracil bitter taste phenotype. *Am J Clin Nutr*, 98(6):1583-91.
15. Rauber F, **Hoffman DJ**, Vitolo MR. 2013. Diet quality from pre-school to school age in Brazilian children: a 4-year follow-up in a randomised control study. *Br J Nutr*, 23:1-7
16. Wilson HJ, Dickinson F, **Hoffman DJ**, Griffiths PL, Bogin B, Varela-Silva MI. 2012. Fat free mass explains the relationship between stunting and energy expenditure in urban Mexican Maya children. *Ann Hum Biol*, 39(5):432-9.
17. **Hoffman DJ**, Toro-Ramos T, Sawaya AL, Roberts SB, Rondo P. 2012. Estimating total body fat using a skinfold prediction equation in Brazilian children. *Ann Hum Biol*, 39(2):156-60.
18. Vitolo MR, Bortolini GA, Campagnolo PD, **Hoffman DJ**. 2012. Maternal dietary counseling reduces consumption of energy-dense foods among infants: a randomized controlled trial. *J Nutr Educ Behav*, 44(2):140-7.
19. Marcia Regina Vitolo, Fernanda Rauber, Paula Dal Bo Campagnolo, Carlos Alberto Feldens, and **Daniel J. Hoffman**. 2010. Maternal Dietary Counseling in the First Year of Life is Associated with a Higher Health Eating Index in Childhood. *J Nutr*, 140: 2002-2007.
20. Paula Dal Bó Campagnolo, **Daniel J. Hoffman**, and Márcia Regina Vitolo. 2010. Waist-to-Height Ratio as a Screening Tool for Preschool Children with Risk Factors for Cardiovascular Disease. *Ann Hum Biol*, 38(3):265-70.
21. John Worobey, Maria Islas, and **Daniel Hoffman**. 2009. Maternal Behavior and Infant Weight Gain in the First Year. *J Nutri Edu Behav*, 23(4):333-339.
22. Jocilyn E. Dellava and **Daniel J. Hoffman**. 2009. Validity of Resting Energy Expenditure Estimated by an Activity Monitor Compared to Indirect Calorimetry. *Br J Nutr*, 13:1-5.
23. Worobey, J., Islas-Lopez, M., & **Hoffman, D.J.** 2008. Predictors of infant feeding frequency by Mexican immigrant mothers. *Topics in Clinical Nutrition*, 23(4), 333-339.
24. Jocilyn E. Dellava, Peggy Policastro, and **Daniel J. Hoffman**. 2008. Energy Metabolism and Body Composition In Long-Term Recovery From Anorexia Nervosa. *Int J Eating Disord*, 42(5):415-21.
25. Cheryl Jacko, Karen Ensle, Jocilyn Dellava, and **Daniel J. Hoffman**. 2008. Food intake patterns of elementary school children in Elizabeth, NJ. *Forum for Family and Consumer Issues*, 13(2).
26. Ludmila Ivanova, Plamen Dimitrov, and **Daniel Hoffman**. 2008. Prevalence of overweight and obesity among urban adults in Bulgaria. *Public Health Nutr*, 15:1-4.
27. Plamen Dimitrov, Ludmila Ivanova, and **Daniel Hoffman**. 2008. Health and Diet of Adults in Sofia, Bulgaria. *Archives of Balkan Medical Union*, 43(1):29-33.
28. **Daniel J. Hoffman**. 2007. Establishing Nutritional Requirements in Transitional Countries. *Brazilian J Nutr*, Jul.
29. **Daniel J. Hoffman**, Paula A. Martins, Susan B. Roberts , and Ana L. Sawaya. 2007. Body Fat Distribution in Stunted Compared to Normal Height Children from the Shantytowns of São Paulo, Brazil. *Nutrition*, 23(9): 640 - 646.
30. Cheryl Jacko, Jocilyn Dellava, Karen Ensle, and **Daniel J. Hoffman**. 2007. Use of the Plate-Waste Method to Measure Food Intake in Children. *Journal of Extension*, 45 (6).
31. Meredith S. Dolan, John Sorkin, and **Daniel J. Hoffman**. 2007. Birth weight is inversely associated with central fat mass in health children and adolescents. *Obesity*, 15:1600-1608.
32. **Daniel J. Hoffman**, Peggy Policastro, Virginia Quick, and Soo-Kyung Lee. 2006. Changes in Body Weight and Fat Mass of Men and Women in the First Year of College: A Study of the "Freshman Fifteen". *J Am Coll Health*, 55(1):41-5.

33. Osama A Kensara, David I Phillips, Steve A Wooton, Maynak Patel, **Daniel J Hoffman**, Alan A Jackson, and Marinos Elia. 2006. Substrate-energy metabolism and metabolic risk factors for cardiovascular disease in relation to fetal growth and adult body composition. *Am J Physiol Endocrinol Metab*, 291(2):E365-71.
34. Rosely Sichieri, Vania Matos Fonseca, **Daniel Hoffman**, Nadia Maria F. Trugo, and Aníbal Sanchez Moura. 2006. Lack of Association Between Iron Status at Birth and Growth Of Brazilian Preterm Infants. *Revista Saúde Publica*, 40(4): 641-7.
35. Ludmila Ivanova, Plamen Dimitrov, Dora Ovcharova, Jocilyn Dellava, and **Daniel J. Hoffman**. 2006. Dietary Changes During the Transition from Communism to Capitalism in Bulgaria. *Econ and Human Biol*, 4(3): 383-397.
36. **Daniel J. Hoffman**, Paula A. Martins, Ana L. Sawaya, and Susan B. Roberts. 2006. Comparison of different techniques to assess body composition in children in developing countries. *Pediatrics*, 117(4):725-32.
37. **Daniel J. Hoffman**, Zimian Wang, Dympna Gallagher, and Steven B. Heymsfield. 2005. Differences in the amount of visceral adipose tissue in African-American and Caucasian adults using magnetic resonance imaging. *Obesity*, 13(1):66-74.
38. **Daniel J. Hoffman** and Soo-Kyung Lee. 2005. Prevalence of wasting, but not stunting, has decreased in in the Democratic People's Republic of Korea. *J Nutr*, 135: 452-456.
39. Paula A. Martins, **Daniel J. Hoffman**, M. Teresa B. Fernandes, Celia R. de Nascimento, Susan B. Roberts, Ricardo Sesso, and Ana L. Sawaya. 2004. Stunted children gain less lean body mass and more fat mass than their non-stunted counterparts: A prospective study. *Br J Nutr*, 92(5):819-25.
40. **Daniel J. Hoffman**. 2004. Upper limits in developing countries: warning against too much in lands of too little. *J Am Coll Nutr*, 23 (6 Suppl): 610-5S.
41. Dossou-Idohou N , Wade S , Guiro AT, Sarr CS, Cisse D, Diahm B, Beau JP, Chapuis P, **Hoffman DJ** and Lemonnier D. 2003. Nutritional status of pre-school Senegalese children: Long-term effects of early severe malnutrition. *Br J Nutr*, 90 (6):1123-1132.
42. Heo M. Leibel RL. Fontaine KR. **Hoffman DJ**. Gropp E. Allison DB et al. 2002. A meta-analytic investigation of linkage and association of common leptin receptor (LEPR) polymorphisms with body mass index and waist circumference. *Int J Obes*, 26(5):640-6.
43. M Heo, RL Leibel, BB Boyer, **DJ Hoffman**, DB Allison et al. 2001. Pooling analysis of genetic data: an example of the association of LEPR polymorphisms with variables related to human adiposity. *Genetics*, 159(3): p. 1163-78.
44. **Daniel J. Hoffman**, Ana L. Sawaya, Ieda Verreschi, Katherine Tucker, and Susan B. Roberts. 2000. Why are nutritionally stunted children at increased risk of obesity? Studies of metabolic rate and fat oxidation in shantytown children from São Paulo, Brazil. *Am J Clin Nutr*, 72 (3): 702-707.
45. **Daniel J. Hoffman**, Susan B. Roberts, Paula A. Martins, Celia de Nascimento, Ana L. Sawaya. 2000. Evidence for impaired regulation of energy intake in nutritionally stunted children from the shantytowns of São Paulo, Brazil. *J Nutr*, 130(9): 2265-2270.
46. **Daniel J. Hoffman**, Ana L. Sawaya, W. Andrew Coward, Paula A. Martins, Celia de Nascimento, and Susan B. Roberts. 2000. Energy expenditure of stunted and non-stunted boys and girls living in the shantytowns of São Paulo, Brazil. *Am J Clin Nutr*, 72(4): 1025-1031.

JOURNAL ARTICLES (PEER-REVIEWED)

Global Burden of Diseases Nutrition and Chronic Diseases Expert Group*

*Dr. Hoffman is a member of the Global Burden of Diseases Nutrition and Chronic Diseases Expert Group.

1. Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. GBD 2015 DALYs and HALE Collaborators. *Lancet*. 2016 Oct 8;388(10053):1603-1658.
2. Otto MC, Afshin A, Micha R, Khatibzadeh S, Fahimi S, Singh G, Danaei G, Sichieri R, Monteiro CA, Louzada ML, Ezzati M, Mozaffarian D; Global Burden of Diseases, Injuries, and Risk Factors Metabolic Risk Factors of Chronic Diseases Expert Group.; Nutrition and Chronic Diseases Expert Group (NutriCoDE). The Impact of Dietary and Metabolic Risk Factors on Cardiovascular Diseases and Type 2 Diabetes Mortality in Brazil. *PLoS One*. 2016 Mar 18;11(3)
3. Impact of Nonoptimal Intakes of Saturated, Polyunsaturated, and Trans Fat on Global Burdens of Coronary Heart Disease. Wang Q, Afshin A, Yakoob MY, Singh GM, Rehm CD, Khatibzadeh S, Micha R, Shi P, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE). *J Am Heart Assoc*. 2016 Jan 20;5(1)
4. Singh GM, Micha R, Khatibzadeh S, Shi P, Lim S, Andrews KG, Engell RE, Ezzati M, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE). Global, Regional, and National Consumption of Sugar-Sweetened Beverages, Fruit Juices, and Milk: A Systematic Assessment of Beverage Intake in 187 Countries. *PLoS One*. 2015 Aug 5;10(8)
5. Singh GM, Micha R, Khatibzadeh S, Lim S, Ezzati M, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE). Estimated Global, Regional, and National Disease Burdens Related to Sugar-Sweetened Beverage Consumption in 2010. *Circulation*. 2015 Aug 25;132(8):639-66
6. Global sodium consumption and death from cardiovascular causes. Mozaffarian D, Fahimi S, Singh GM, Micha R, Khatibzadeh S, Engell RE, Lim S, Danaei G, Ezzati M, Powles J; *Global Burden of Diseases Nutrition and Chronic Diseases Expert Group. *N Engl J Med*. 2014 Aug 14;371(7):624-34.
7. Global, regional, and national consumption levels of dietary fats and oils in 1990 and 2010: a systematic analysis including 266 country-specific nutrition surveys. Micha R, Khatibzadeh S, Shi P, Fahimi S, Lim S, Andrews KG, Engell RE, Powles J, Ezzati M, Mozaffarian D; *Global Burden of Diseases Nutrition and Chronic Diseases Expert Group. *BMJ*. 2014 Apr 15;348.
8. Global, regional and national sodium intakes in 1990 and 2010: a systematic analysis of 24 h urinary sodium excretion and dietary surveys worldwide. Powles J, Fahimi S, Micha R, Khatibzadeh S, Shi P, Ezzati M, Engell RE, Lim SS, Danaei G, Mozaffarian D; *Global Burden of Diseases Nutrition and Chronic Diseases Expert Group. *BMJ Open*. 2013 Dec 23;3(12).

REVIEW PAPERS:

1. **Daniel J. Hoffman**, Rebecca M. Reynolds, and Daniel B. Hardy. 2017. The Developmental Origins of Health and Disease: Current Knowledge and Potential Mechanisms. *Nutrition Reviews* (In Press).
2. **Daniel J. Hoffman**, Maiza Campos Ponce, Carla R. Taddei & Colleen M. Doak. 2016. Microbiome, Growth Retardation, and Metabolism: Are they related? *Ann Hum Biol.* 2016 Dec 7:1-19.
3. Colleen M. Doak, **Daniel J. Hoffman**, Shane A. Norris, Maiza Campos Ponce, Katja Polman, Paula L. Griffiths. 2013. Is body mass index an appropriate proxy for body fat in children? *Global Food Security*, 2(2): 65-71.
4. **Hoffman DJ**, Klein DJ. 2012. Growth in transitional countries: the long-term impact of under-nutrition on health. *Ann Hum Biol*, 39(5):395-401.
5. Sawaya AL, Martins PA, Baccin Martins VJ, Florêncio TT, **Hoffman D**, do Carmo P Franco M, das Neves J. 2009 Malnutrition, long-term health and the effect of nutritional recovery. *Nestle Nutr Workshop Ser Pediatr Program.* 63:95-105.
6. Ana L. Sawaya PhD; Paula Martins MSc; **Daniel Hoffman PhD**; Susan B. Roberts PhD. 2003. The Link Between Childhood Undernutrition and Risk of Chronic Diseases in Adulthood: A Case Study of Brazil. *Nutrition Reviews*, 61 (5):168 – 175.
7. Faith MS, Tepper BJ, **Hoffman DJ**, Pietrobelli A. 2002. Genetic and environmental influences on childhood obesity. *Clinics Family Practice*, 4: 277–294.
8. **Daniel J. Hoffman**. 2001. Obesity in developing countries: causes and implications. *Food, Nutrition and Agriculture Review*, Food and Agriculture Organization of the United Nations, Volume 28.

INVITED COMMENTARIES:

1. **Daniel J. Hoffman**. 2016. Parental responses to childhood eating patterns. *Maria Cecilia Vidigal Foundation*, Sap Paulo, Brazil. (<http://alturl.com/f4zr4>)
2. **Daniel J. Hoffman**. 2015. Stunting: A rarely discussed public health problem. *BMC Public Health* (<http://alturl.com/ftzuz>)
3. **Daniel J. Hoffman**. 2014 Undernutrition early in life and adult health: mechanisms and implications. *Jornal de Pediatria*, 90:325-8.
4. **Daniel J. Hoffman**. 2008. Programs designed to prevent childhood obesity. *Brazilian Journal of Public Health*, 3:148-150.

CHAPTERS IN BOOKS:

1. **Daniel J. Hoffman** and Pamela L. Barrios. 2016. Changes in Body Composition from Infancy through Childhood in: The Biology Behind the First 1,000 Days. Klaus Kraemer, C. Karakochuk, Kyly C. Whitfield, and Tim Green, editors. CRC Press.
2. **Daniel J. Hoffman** and Thaisa Lemos. 2013. Undernutrition Early in Life and Adult Health: Influence of Metabolism and Body Composition in: Early Life Nutrition And Adult Health And Development Lessons From Changing Dietary Patterns, Famines And Experimental Studies. L.H. Lumey and A. Vaiserman, editors. Nova Biomedical, NY, NY.
3. **Daniel J. Hoffman**, ZiMian Wang, David B. Allison, Michelle Huber, and Steven B. Heymsfield. 2003. Assessment of Body Composition in: Obesity: Mechanisms and Clinical Management. R. Eckel, MD editor. Lippincott, Williams, and Wilkins, NY, NY.
4. Susan B. Roberts and **Daniel J. Hoffman**. 2003. Energy and Substrate Regulation in Obesity in: Nutrition in Pediatrics: Basic Science and Clinical Application, (3rd Edition). W.A. Walker, MD editor. BC Decker Inc, USA.

5. Steven B. Heymsfield and **Daniel J. Hoffman**. 2003. Investigación de la composición corporal in: Fundamentos de Valoración Nutricional y Composición Corporal. Daniel H. de Girolami, MD editor. Editorial El Ateneo, Buenos Aires, Argentina.
6. David B. Allison, Mooneseong Heo, Kevin R. Fontaine, and **Daniel J. Hoffman**. 2000. Body Weight, Body Composition, and Longevity, in: Per Bjorntorp, editor, Textbook of Obesity, John Wiley and Sons, London, UK.
7. Heymsfield, SB, **Hoffman, DJ**, Testolin, C, and Wang, ZM. 2000. Evaluation of Human Adiposity, in: Per Bjorntorp, ed., Textbook of Obesity, John Wiley and Sons, London, UK.
8. **Hoffman, DJ**, Heymsfield, SB, and Waitzberg, DL. 2000. Composição corporea, in: Waitzberg, DL, ed. Nutrição Enteral e Parenteral Na Prática Clínica, 3rd edition, Atheneu, São Paulo, Brazil.
9. **Daniel J. Hoffman** and Dymrna Gallagher. 2000. Obesity and Weight Control, in: Gonzalez, EG, ed., Downey and Darling's Physiological Basis of Rehabilitation Medicine, 3rd edition, Butterworth and Heinemann, NY, NY.
10. **Daniel J. Hoffman** and Ana L. Sawaya. 1998. Energy Balance, in: Caballero & Sandler, eds. Encyclopedia of Human Nutrition, Academic Press, London, UK.

WORKING PAPERS:

1. Ralitzia Dimova, Ira N. Gang & Monnet B. P. Gbakou & **Daniel Hoffman**. 2012. *The impact of food and economic crises on diet and nutrition*. Brooks World Poverty Institute Working Paper Series 17512, BWPI, The University of Manchester.
2. Dimova, Ralitzia; Gang, Ira N.; Gbakou, Monnet; **Hoffman, Daniel**. 2011. *Can economic crises be good for your diet?* IZA Discussion Papers 5610, Institute for the Study of Labor (IZA).

INVITED LECTURES AND SEMINARS:

*Keynote speaker

International-

1. *Growth Retardation and Metabolic Adaptations*. Federal University of Alagoas, Maceio, Brazil. March 2016.
2. *Metabolic Consequences of Poor Growth in Childhood*. University of São Paulo School of Medicine at Ribeirão Preto, Division of Nutrition and Metabolism. Ribeirão Preto, Brazil. April 2015
3. *Interdisciplinary Research in Human Nutrition and Health*. Federal University of Health Sciences of Porto Alegre. Porto Alegre, Brazil. March 2015.
4. *Impact of Poor Growth on Human Energy Metabolism*. Federal Fluminense University, Niteroi, Brazil. April 2014
5. **Interdisciplinary Approaches to Nutrition Research*. Brazilian Society for Food and Nutrition. Foz de Iguacu, Brazil. August 2013
6. *Early Programming of Energy Metabolism and Body Composition*. Department of Endocrine Physiology and Nutrition, Federal University of São Paulo School of Medicine. São Paulo, Brazil. May 2012
7. *Growth in Transitional Countries*. Society for the Study of Human Biology. Cambridge, England. Dec 2011
8. **Nutrition and Growth: Influences and Long-Term Consequences*. 2nd International

- Congress of Nutrition, Food, and Dietetics. Lima, Peru. Aug 2011
9. *Early Nutrition and Long-Term Metabolic Complications*. Department of Physiological Sciences, State University of Rio de Janeiro, Rio de Janeiro, Brazil. May 2011
 10. *Growth Retardation and Adult Chronic Diseases*. Life Sciences Institute of Ajinomoto, Inc, Kawasaki, Japan. June 2011
 11. **Early Nutrition and Adult Health: Perspectives for International Nutrition Programs and Policies*. 2010 Symposium of the Korean Society of Community Nutrition, Seoul National University, Seoul, South Korea. May 2010
 12. *Early Growth and Adult Health: Implications for Transitional Countries*. Department of Food and Nutrition, Inha University, Incheon, South Korea. May 2010
 13. *Human Energy Metabolism: Techniques and Applications*. Technical University of Lisbon, Lisbon, Portugal. May 2009
 14. **Obesity in the Developing World: Role of Early Undernutrition*. (In Spanish). 12th National Symposium on Human Nutrition, Medellin, Colombia. Oct 2008
 15. **Obesity in Developing Countries: Metabolic Risk Factors and Implications* University of Antioquia, School of Nutrition, Medellin, Colombia. Oct 2008
 16. **Growth Retardation and Adult Obesity*. Autumn Meeting of Project QUALITY, Laval University and University of Montreal School of Medicine, Quebec City, Quebec, Canada. Sep 2008.
 17. *Nutrition Guidelines in Transitional Countries*. (In Spanish) 4th Argentine Congress of Pediatrics and Gastroenterology, Buenos Aires, Argentina. May 2008
 18. **Metabolic Consequences of Undernutrition*. (In Spanish). 4th Argentine Congress of Pediatrics and Gastroenterology, Buenos Aires, Argentina. May 2008
 19. *Use of Stable Isotopes to Evaluate Intervention Programs to Prevent Undernutrition and Stunting*. International Atomic Energy Agency of the United Nations, Division of Nuclear Science and Applications. (1 of 2 international speakers invited) Vienna, Austria. Apr 2007
 20. *Human Energy Metabolism: Measuring Physical Activity in Population Studies*. (In Portuguese). Federal University of Rio de Janeiro, School of Public Health, Rio de Janeiro, Brazil. Jul 2006
 21. *Growth Retardation and Its Influence on Substrate Oxidation*. (In Portuguese) 14th Congress of the Latin American Nutrition Society, Florianopolis, Brazil. Nov 2006
 22. *Establishing Nutritional Requirements in Transitional Economies*. (Invitation from the Brazilian Ministry of Health) 14th Congress of the Latin American Nutrition Society, Florianopolis, Brazil. Nov 2006
 23. *Techniques to Measure Body Composition in Children: Uses in Population Studies* Federal University of Pelotas, Program in Epidemiology, Pelotas, Brazil. Jun 2005
 24. *Undernutrition in Childhood and Risk for Chronic Diseases in Adulthood*. World Congress on Gerontology, Rio de Janeiro, Brazil. Jun 2005
 25. **Long-term metabolic effects of growth retardation*. 3rd Argentine Congress of Pediatrics and Gastroenterology, Salta, Argentina. Sep 2005
 26. **Environmental factors promoting obesity in developing countries*. 3rd Argentine Congress of Pediatrics and Gastroenterology, Salta, Argentina. Sep 2005
 27. *Physiological and Environmental Influences on Chronic Diseases in Developing Diseases*. 8th Global Forum for Health Research, Mexico City, Mexico. Oct 2004
 28. *Early Nutrition and Risk for Obesity*. (In Portuguese) Universidade do Estado do Rio de Janeiro, Institute of Social Medicine, Rio de Janeiro, Brazil. Oct 2004
 29. *Early Nutrition and Risk for Obesity in Adulthood*. Laval University, Department of Preventive and Social Medicine, Quebec City, Quebec, Canada. May 2001
 30. *Obesity in developing countries: metabolic risk factors and policy implications*. Food and Agriculture Organization of the United Nations, Rome, Italy. Jun 2000

Domestic-

1. *The double burden of malnutrition in transitional countries*. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA. Sep 2012
2. *Healthy Growth: lessons from low-income countries*. Mead Johnson Nutrition Scientific Lecture Series, Mead Johnson Nutrition, Evansville, IN. Mar 2011
3. *Developmental and environmental factors predisposing children to obesity in adulthood*. 28th Summer Symposium in Molecular Biology, Pennsylvania State University, State College, PA. Jul 2009
4. *Fetal Origins of Adult Disease: Undernutrition and Chronic Disease*. Department of Neonatology, St. Peter's University Hospital, New Brunswick, NJ. May 2009
5. *Development Origins of Adult Disease: Biologic and Political Consequences of Growth Retardation*. The Eugene J. McCarthy Center for Public Policy & Civic Engagement and Department of Biology at St. Johns University, Collegetown, MN. Sep 2008
6. *The Use of the Body Mass Index as Measure of Physiological Capital*. University of Chicago Graduate School of Business, Center for Population Economics, Chicago, IL. Jan 2006
7. *Physiological Capital and Economic Development*. University of Chicago Graduate School of Business, Center for Population Economics, Chicago, IL. May 2005
(Invitation by Prof. Robert Fogel, 1993 Nobel Laureate in Economics)
8. *Metabolic risk factors for weight gain in stunted children living in the shantytowns of São Paulo, Brazil*. New York Obesity Research Center, New York, NY. Jun 2005
9. *Stunting and Supermarkets: Biological and Environmental Influences on Obesity in Developing Countries*. International Food Policy Research Institute, Washington, DC. Aug 2008
10. *Early Nutrition and Risk for Obesity*. Cooper University Hospital, Department of Pediatrics and Neonatology, Nutrition Seminar Series, Camden, NJ. May 2004
11. *Birth Weight and Body Fat Distribution*. University of Maryland Medical School, Department of Gerontology, Baltimore, MD. Oct 2003
12. *Small for Gestational Age and Body Composition*. St. Peter's University Hospital, Division of Neonatology, New Brunswick, NJ. Feb 2002
13. *Growth Patterns and Metabolic Diseases*. St. Peter's University Hospital, Division of Maternal-Fetal Medicine, New Brunswick, NJ. Mar 2002
14. *Obesity: Causes and Socio-Economic Impact*. Atlantic City Medical Center, Resident/Faculty Academic Retreat, Atlantic City, NJ. Oct 2002
15. *Growth Patterns and Metabolic Diseases*. University of Medicine and Dentistry of New Jersey, Center for Child Studies and Development, New Brunswick, NJ. Mar 2003
16. *Obesity in Developing Countries: A Possible Role of Early Nutrition*. Harvard University School of Public Health, Department of Nutrition, Boston, MA. Dec 2001
17. *Childhood Undernutrition and Adult Disease*. Children's Hospital of Philadelphia, Philadelphia, PA. Jun 2001
18. *Childhood Undernutrition and Adult Disease*. University of Illinois at Chicago, Department of Nutrition, Chicago, IL. Jan 2001
19. *Stunting and risk for obesity in São Paulo, Brazil*. Johns Hopkins University, School of Public Health and Hygiene, Department of International Health, Baltimore, MD. Dec 2000

CONFERENCE PRESENTATIONS:

Oral (refereed) Presentations-

1. *Increase in Weight for Age is Associated with Increased Fat-Free Mass in Healthy Children.* 6th World Congress on Developmental Origins of Health and Disease, Santiago, Chile. 2009
2. *Lower Birth Weight is Associated with Increased Lean Body Mass.* Experimental Biology, San Diego, CA. 2008
3. *Comparison of Dietary Intake Among Consumers at Local Stores Versus Multinational Supermarkets in Sofia, Bulgaria.* I World Congress on Public Health Nutrition, Barcelona, Spain. 2006
4. *Programming of Substrate Oxidation and Body Composition in Adults and Children Exposed to Substrate Deprivation In Utero and Early Childhood.* I World Congress on Public Health Nutrition, Barcelona, Spain. 2006
5. *Dietary Impact of Multinational Supermarkets in Bulgaria.* Experimental Biology, San Francisco, CA. 2006
6. *The Nutrition Transition in Bulgaria: Are We Ahead of the Wave?* Experimental Biology, San Diego, CA. 2005
7. *Evidence of impaired energy regulation in nutritionally stunted boys and girls living in the shantytowns of São Paulo, Brazil.* North American Association for the Study of Obesity, Long Beach, CA. 2004
8. *Nutritional stunting is associated with impaired fat oxidation in children from the shantytowns of São Paulo, Brazil.* North American Association for the Study of Obesity, Charleston, SC. 2000
9. *Obesity in developing countries: effects on developing health care systems.* Millennial Stews Food Conference, New York University, New York, NY. 2001

Poster Presentations-

1. *Consumption of Processed Foods and Its Effects on Children's Lipid Profiles.* The 31st Annual Scientific Meeting of The Obesity Society, 2013, Atlanta, GA.
2. *Effect of a Maternal Nutrition Education Intervention in the First Year of Life on Dietary Quality in Childhood: a Randomized Controlled Trial.* Society for Nutrition Education 2010. Reno, NV.
3. *Desarrollo de una ecuación de predicción geográficamente específica para evaluar la grasa corporal* XV Congress of the Latin American Nutrition Society, Santiago, Chile. 2009
4. *Energy Metabolism In Stunted Jamaican Children.* Experimental Biology, New Orleans, LA. 2009
5. *Changes and Disease Incidence in Bulgaria.* I World Congress on Public Health Nutrition, Barcelona, Spain. 2006
6. *Differences in hydration of lean body mass in stunted compared to healthy children in Brazil.* Experimental Biology, San Diego, CA. 2003
7. *Differences in childhood adiposity relative to birth weight and velocity of weight gain.* Experimental Biology, San Diego, CA. 2003
8. *The relationship between birth weight and fat mass in children.* World Congress on the Fetal Origins of Adult Disease, Brighton, England UK. 2003)
9. *Risk factors for obesity in stunted children living in the shantytowns of São Paulo, Brazil.* World Congress on the Fetal Origins of Adult Disease, Brighton, England UK. 2003
10. *Comparison of different techniques to measure adiposity in children from developing countries.* 9th International Congress on Obesity, São Paulo, SP, Brazil. 2002

11. *Physical activity levels and substrate oxidation in growth retarded children.* Biological Remodeling and Plasticity. National Institutes of Health, Washington, DC. 2002
12. *Maternal Control during Feeding: Development and Validation of a Self-Report Inventory.* North American Association for the Study of Obesity. Quebec City, Quebec, Canada. 2001
13. *Use of the Body Mass Index to Evaluate Adiposity in Stunted Children.* North American Association for the Study of Obesity. Quebec City, Quebec Canada. 2001
14. *Aerobic fitness of stunted and non-stunted children in São Paulo, Brazil.* North American Association for the Study of Obesity. Quebec City, Quebec Canada. 2001
15. *Differences in visceral adipose tissue mass in African-American and Caucasian adults using magnetic resonance imaging.* Experimental Biology, Orlando, FL. 2001
16. *Oxidative stress in the islet of Langerhans of lean and obese Zucker rats.* North American Association for the Study of Obesity, Long Beach, CA. 2000
17. *Energy expenditure in nutritionally stunted boys and girls living in the shantytowns of São Paulo, Brazil.* North American Association for the Study of Obesity, Long Beach, CA. 2000

TEACHING EXPERIENCE:

Rutgers University

Undergraduate: Nutrition and Health in Developing Countries
Advanced Nutrition: Metabolism and Body Composition
Seminar in Nutrition: Food Politics
Colloquium on Obesity

Graduate: Physiological and Biochemical Basis of Nutrition
Nutritional Epidemiology

Tufts University

Graduate: Nutritional Assessment (guest lecturer)
Nutritional Biochemistry (guest lecturer)

New York University

Graduate: Nutritional Biochemistry and Physiology

GRADUATE ADVISING:

Post-doctoral and foreign trainees:

Marcia Vitolo, PhD
Fernanda Rauber

Current doctoral students and dissertation title:

Pamela Barrios Maternal autonomy and stunting in low-income children in Brazil

Past students:

Thaisa Lemos, PhD Relationship between degree of poverty and growth patterns
Eder Menzes, MS Case studies of the relationship between maternal and childhood nutritional status in three countries: Bolivia, Honduras, and Haiti (2014)

Tatiana Ramos, PhD Maternal body composition and fetal growth (2011)
Jocilyn Dellava, PhD Energy metabolism and body composition in women recovered from anorexia nervosa (2008)

Pamela Barrios, MS Maternal autonomy and growth in Brazil. (2008)
Chaitali Savjani, MS Folate intake amongst college-age women. (2005)
Meredith Dolan, MS Birth weight and body composition in adolescence. (2003)

ADMINISTRATIVE AND SERVICE ACTIVITIES:

University:

Member University Committee for Strategic Planning: Global Health
Director Center for Childhood Nutrition Education and Research
Member Center for Latin American Studies Executive Board
Director Rutgers Faculty Cluster on International Health, Economics, and Food Policy

Member Rutgers Study Abroad Faculty Advisory Board
Chair Rutgers Initiative on Childhood Obesity, proposal to the Robert Wood Johnson Foundation

Member Search Committee for Dean of the Graduate School of Arts and Sciences

College:

Undergraduate Advisor
Honors Advisor
Representative Rutgers Study Abroad

Department of Nutritional Sciences:

Chair Department of Nutritional Sciences (2010-2013)
Co-Organizer Russell Symposium (2011, 12, and 14)
Co-Chair Seminar Committee (2008-2010)
Member Graduate Admissions Committee (2008-present)
Member Faculty Search Committee (2004)
Member Department Chair Search Committee (2004)
Chair Seminar Committee (2003-2006)
Co-Organizer New Jersey Conference on Childhood Obesity: Challenges and Solutions (4/15/2005)
Co-Organizer 2nd National Conference on Diabesity in America (11/21/2003)

Department of Agricultural and Food Resource Economics:
Member Faculty Search Committee (2007)

SOCIETY MEMBERSHIPS:

- American Society for Nutritional Sciences
- Society for the Developmental Origins of Health and Adult Disease
- Society for the Study of Human Biology

VISITING POSITIONS AND FOREIGN EXPERIENCE:

2004 National Center for Public Health Protection, Sofia, Bulgaria
2005 Institute of Social Medicine, State University of Rio de Janeiro, Brazil
2006 Institute of Social Medicine, State University of Rio de Janeiro, Brazil
2007 Tropical Medicine Research Unit, University of the West Indies, Mona, Jamaica
2015 Federal University of Health Sciences of Porto Alegre, Porto Alegre, Brazil
2015 Federal University of São Paulo School of Medicine, São Paulo, Brazil
2016 University of São Paulo School of Public Health, São Paulo, Brazil

SERVICE TO SCIENTIFIC COMMUNITY:

- International Atomic Energy Agency, Vienna, Austria. Expert Consultant for *Nutritional and Health-Related Environmental Studies, Stable Isotope Methodologies*.
- National Institutes of Health, Bethesda, MD. Scientific Panel for the National Children's Study *Growth and Body Composition Workshop*
- Federal University of Rio de Janeiro, School of Public Health, Brazil. Technical Consultant for *Validation of a Dietary Survey Using Doubly-Labeled Water*
- Honduran Ministry of Health, Division of Nutrition, Tegucigalpa, Honduras. Nutrition Advisor
- Brigham and Women's Hospital, Boston, MA Scientific Panel for *Pregnancy Guidance Plan*
- Robert Wood Johnson Foundation, Washington, DC. Expert Panel: Use of BMI Surveillance to Prevent or Reverse Childhood Obesity.
- World Health Organization, Gates Foundation, and the World Bank. Collaborator with the *Global Burden of Disease (GBD) Project*, Harvard School of Public Health Expert Group on Nutrition and Chronic Diseases.
- Institute for Health Metrics and Evaluation. Collaborator with the *Global Burden of Diseases, Injuries, and Risk Factors Study*, University of Washington.
- National Research Foundation, South Africa. Reviewer for academic promotions.

EDITORIAL ACTIVITIES:

Executive Editor: Appetite
Deputy Editor: British Journal of Nutrition
Editorial board: Annals of Human Biology
Editorial board: Nutrier

LANGUAGES:

English (native speaker)
Portuguese (fluent)
Italian (conversational)
Spanish (basic)