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**CURRICULUM VITA**  
**CARMEN CASTANEDA SCEPPA, M.D., Ph.D.**

**OFFICE ADDRESS**

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Bouvé College of Health Sciences  
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**EDUCATION**

- 1983            **Bachelor's in Science (Pre-Med)**  
Del Valle University, Guatemala City, Guatemala
- 1987            **Medical Doctor**  
School of Medicine, Francisco Marroquin University, Guatemala City,  
Guatemala
- 1994            **Ph.D. in Nutrition**  
School of Nutrition Science and Policy, Tufts University, Medford, MA
- 1995 – 1997    **Post-doctoral Clinical Nutrition Fellow**  
New England Medical Center, Tufts University, Boston, MA

**FACULTY APPOINTMENTS AND EMPLOYMENT HISTORY**

- 2019 – 2024    **Dean**  
Bouvé College of Health Sciences, Northeastern University, Boston, MA
- 2018 – 2019    **Senior Associate Dean of Academic Affairs**  
Bouvé College of Health Sciences, Northeastern University, Boston, MA
- 2017 – 2018    **Associate Dean of Undergraduate Education**  
Bouvé College of Health Sciences, Northeastern University, Boston, MA
- 2015 – 2017    **Chair, Department of Health Sciences**  
Northeastern University, Boston, MA
- 2014            **Professor, Health Sciences**  
Northeastern University, Boston, MA
- Jul 12 – Dec 13 **Interim Chair, Department of Health Sciences**  
Northeastern University, Boston, MA
- 2011 – 2015    **Director, Graduate Program in Exercise Science**  
Northeastern University, Boston, MA
- 2008 – 2013    **Associate Professor, Health Sciences** (*Tenured 2011*)  
Northeastern University, Boston, MA
- 2004 – 2007    **Associate Professor, Nutrition**  
Friedman School of Nutrition Science and Policy, Tufts Univ., Boston, MA
- 2002 – 2004    **Interim Director, Exercise Physiology and Sarcopenia Laboratory**  
Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts  
University, Boston, MA

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- 2002 – 2004      **Assistant Professor, Medicine**  
Tufts University School of Medicine, Boston, MA
- 2000 – 2004      **Assistant Professor, Nutrition**  
Friedman School of Nutrition Science and Policy, Tufts Univ., Boston, MA
- 1997 – 2007      **Scientist II, Exercise Physiology and Sarcopenia Laboratory**  
Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA
- 1994 – 1997      **Scientist III, Exercise Physiology and Sarcopenia Laboratory**  
Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA
- 1987 –              **Licensed Medical Doctor (No. 6391) - Guatemala City, Guatemala**

## AWARDS AND HONORS

- 2019      **Fellow** (Health Sciences Section), Gerontological Society of America (FGSA)
- 2019      **Bouvé PACT – Pathway to Academic Careers and Training**, Faculty Innovations Award, Office of Institutional Diversity and Inclusion, Northeastern University
- 2017      **Network of Minority Health Research Investigators (NIDDK/NIH) Medallion** In recognition of highest commitment to mentoring diverse faculty to engage in aging research to improve our understanding of minority health and health disparities.
- 2015      **Faculty of the Year**, Department of Residential Life, Northeastern University, Boston, MA
- 2010      **Outstanding Professor**, Sister of Sigma Delta Tau Society, Northeastern University, Boston, MA
- 2008      **People Exercising Program Archstone Foundation's Award for Excellence in Program Innovation**, Gerontological Health Section, American Public Health Association, Long Beach, CA
- 2001      **Advancement in Leadership Award**, Brookdale Foundation, New York, NY
- 2000      **Future Leader Award**, International Life Sciences Institute, Washington, DC
- 1998      **Brookdale National Fellow**, Brookdale Foundation, New York, NY  
<http://www.brookdalefoundation.org/Leadership/Fellows/bio.html>
- 1989      **Dr. Fernando Biguria Scholarship**, Guatemala City, Guatemala
- 1987      **Cum laude**, School of Medicine, Francisco Marroquin University, Guatemala City, Guatemala
- 1983      **Excellence Scholarship**, School of Medicine, Francisco Marroquin University, Guatemala City, Guatemala

## RESEARCH AND SCHOLARSHIP

My translational research program addresses three main areas in the field of aging and gerontology, including: (1) assessing the efficacy of nutrition and exercise interventions on chronic disease risk factors and health outcomes; (2) translating evidence-based lifestyle interventions into ‘real world’ settings for older adults; and (3) developing sustainable strategies to promote health and reduce the burden of impairment, disease and disability in older adults. In addition to advancing the field of aging and gerontology, my research (randomized controlled trials and participatory community-based research) contributes to teaching and mentoring new

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generations of academicians, researchers, clinicians, innovators and entrepreneurs interested in advancing healthy aging in the fields of health, health care, and public health.

### **Refereed Original Articles**

(\* indicates student/fellow author; † indicates Dr. Sceppa was the lead/senior investigator)

1. \*Robinson SR, Reilly ED, Petrakis BA, Weiner RW, **Castaneda-Sceppa C**, Quigley KS. Daily Physical Activity and Sleep in Veterans: The Role of Insomnia Severity. *Journal of Behavioral Medicine*: in press. †
2. Reilly ED, \*Robinson SA, Petrakis BA, Gardner MM, Wiener RS, **Castaneda-Sceppa C**, Quigley KS. Mobile Intervention to Improve Sleep and Functional Health of Veterans with Insomnia. *International Journal of Medical Research*: in press. †
3. John D, \*Arguello D, Cloutier G, \*Morton A, **Castaneda-Sceppa C**, Thorndike AN. Effect of Sit-Stand and Treadmill Desks on Health Outcomes in Sedentary Office Workers: A Randomized Clinical Trial. *JAMA*: in review. †
1. \*Saksono H, Hoffman J, Seif El-Nasr M, Morris V, **Castaneda-Sceppa C**, Parker A. StoryMap: Using Social Modeling and Self-Modeling for Supporting Physical Activity Among Low-SES Families. *Conference on Human Factors in Computing*: in press. To appear in CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2021). ACM, New York, NY, USA. †
4. \*Arguello D, Thorndike AN, Cloutier G, \*Morton A, **Castaneda-Sceppa C**, John D. Effects of an ‘active-workstation’ cluster RCT on daily waking physical behaviors. *Medicine Science and Sports Exercise*: in press. †
5. \*Lin X, \*Saksono H, \*Stowell E, Lachman ME, **Castaneda-Sceppa C**, Parker AG. Go&Grow: An Evaluation of a Pervasive Social Exergame for Caregivers of Loved Ones with Dementia. *Conference on Human Factors in Computing Systems*. 2020:4(CSCW2), 1-28. <https://dl.acm.org/doi/abs/10.1145/3415222>. †
6. \*Stowell E, Zhang Y, **Castaneda-Sceppa C**, Lachman M, Parker A. Caring for Alzheimer’s Disease Caregivers: A Qualitative Study Investigating Opportunities for Exergame Innovation. *Conference on Human Factors in Computing Systems 2020*: <https://dl.acm.org/doi/abs/10.1145/3359232>. †
7. \*Saksono H, **Castaneda-Sceppa C**, Hoffman J, Morris V, Seif El-Nasr M, Parker A. Storywell: Designing for Family Fitness App Motivation by Using Social Rewards and Reflection. *Conference on Human Factors in Computing Systems 2020*: <https://doi.org/10.1145/3313831.3376686>, pg1-13. †
8. Hoffman JA, \*Schmidt EM, \*Arguello DJ, \*Eyllon MN, **Castaneda-Sceppa C**, Cloutier G, Hillman CH. Online Preschool Teacher Training to Promote Physical Activity: A Pilot Cluster Randomized Controlled Trial. *School Psychology* 2020;35(2):118-127. †
9. Filanowski PM, Iannotti RJ, Crouter SE, Vermeulen A, Schmidt EM, Hoffman JA, **Castaneda-Sceppa C**, Milliken LA. The Effects of Varying Structured Physical Activity Duration on Young Children’s and Parents’ Activity Levels. *Research Quarterly for Exercise and Sport* 2019;90:578-588. <https://doi.org/10.1080/02701367.2019.1639600> †
10. Hoffman JA, \*Schmidt EM, **Castaneda-Sceppa C**, Hillman C. The theoretical foundation, fidelity, feasibility, and acceptability of a teacher training to promote physical activity among preschoolers in child care: A pilot study. *Preventive Medicine Reports* 2019;9(13):214-217.

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11. \*Saksono H, **Castaneda-Sceppa C**, Hoffman J, Seif El-Nasr M, Morris V, Parker A. Social Reflections on Fitness Tracking Data: A Study with Families in Low-SES Neighborhoods. *Conference on Human Factors in Computing Systems* 2019: <https://doi.org/10.1145/3290605.3300543>, pg1-14. †
  12. Matz-Costa C, Howard E, **Castaneda-Sceppa C**, Antonia Diaz-Valdes Iriarte, Lachman ME. Peer-based strategies to support physical activity interventions for older adults: A typology, conceptual framework, and practice guidelines. *The Gerontologist* 2019;59(6):1007–1016.
  13. Cox C, Hoffman J, Shiyko M, Briesch A, **Castaneda-Sceppa C**. Factors Related to Head Start Teachers’ Implementation of Physical Activity Programming. *NHSA Dialog* 2018;21(1):68-79.
  14. Cox C, Hoffman J, Shiyko M, Briesch A, **Castaneda-Sceppa C**. Physical Activity in Head Start Classrooms: How Teachers’ Attitudes and Training Contribute to Program Usage. *NHSA Dialog* 2018;21(1):96-99.
  15. Lees K, Guthrie B, Henderson E, Jimison H, **Castaneda-Sceppa C**, Pavel M, Gordon C, Fulmer T. NUCare: Advancing Research on Technological Integration for Self-management in the Aging Population. *Nursing Outlook* 2018;66(2):121-129.
  16. Saksono H, **Castaneda-Sceppa C**, Hoffman J, Seif El-Nasr M, Morris V, Parker A. Family Health Promotion in Low-SES Neighborhoods: A Two-Month Study of Wearable Activity Tracking. *Conference on Human Factors in Computing Systems* 2018: Paper 309. <https://dl.acm.org/citation.cfm?id=3173883> †
  17. Lachman ME, Lipsitz L, Lubben J, **Carmen Castaneda-Sceppa**, Jette AM. When Adults Don’t Exercise: Behavioral Strategies to Increase Physical Activity in Sedentary Middle-Aged and Older Adults. *Innovation in Aging* 2018;2(1):1–12.
  18. Todorova I, Turner H, **Castaneda-Sceppa C**, Young D, Bonner A. “I do it with love”: Engagement in caring for people with dementia. *Global Qualitative Nursing Research*: 2016;3:1-14. †
  19. Shiyko MP, \*Hallinana S, Seif El-Nasr M, Durga S, **Castaneda-Sceppa C**. Effects of Playing a Serious Computer Game on Body Mass Index & Nutrition Knowledge in Women. *Journal of Medical Internet Research* 2016;4(1):e8.
  20. Seif El-Nasr M, Durga S, Shiyko M, **Castaneda-Sceppa C**. Data-Driven Retrospective Interviewing (DDRI): A Proposed Methodology for Formative Evaluation of Pervasive Games. *Entertainment Computing Journal* 2015;11:1-19.
  21. Hoffman J, Wirth C, \*Johnson S, Carter S, \*DuBois M, \*Cox C, **Castaneda-Sceppa C**. Communicating with Head Start Parents about their Child’s Weight Status. *National Head Start Association Dialog*, 2015;18:31-42. †
  22. Hoffman J, Wirth C, \*Johnson S, Carter S, \*DuBois M, \*Cox C, **Castaneda-Sceppa C**. Engaging Head Start Families in Childhood Obesity Prevention: School-Home Communication about Children’s Height and Weight Screenings. *National Head Start Association Dialog*, 2015;18:92-97. †
  23. \*Saksono H, \*Ranade A, \*Kamarthi G, **Castaneda-Sceppa C**, Hoffman J, Wirth C, Parker A. Spaceship Launch: Designing a Collaborative Exergame for Families. *Computer-Supported Cooperative Work and Social Computing* 2015:1776-1787. †
  24. \*Brooks N, \*Cadena SM, \*Cloutier G, \*Vega Lopez S, Roubenoff R, **Castaneda-Sceppa C**. Influence of Exercise on the Metabolic Profile Caused by 28 days of Bed Rest with Energy Deficit and Amino Acid Supplementation in Healthy Men. *International Journal of Medical Sciences* 2014;11(12):1248-1257. †

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25. **Castaneda-Sceppa C**, Hoffman JA, \*Thomas J, \*DuBois M, \*Agrawal T, Griffin D, Bhaumik U, Healey CL, Dickerson D, Nethersole S, Wirth C. Family Gym: A Model to Promote Physical Activity for Families with Young Children. *Journal of Health Care for the Poor and Underserved* 2014;25(3):1101-1107. †
  26. Smith SM, **Castaneda-Sceppa C**, O'Brien KO, Abrams SA, Gillman P, \*Brooks NE, Cloutier GJ, Heer M, Zwart SR, Wastney ME. Calcium Kinetics During Bed Rest with Artificial Gravity and Exercise Countermeasures. *Osteoporosis International* 2014;25:2237-2244. †
  27. Todorova I, Tejada S, **Castaneda-Sceppa C**. "Let's Stretch Life a Bit": Perspectives of Puerto Rican Adults about Heart Health and a potential Community Program. *American Journal of Health Education* 2014;45(2):76-85. †
  28. \*Van Rompay MI, McKeown NM, **Castaneda-Sceppa C**, Ordovas JM, Tucker KL. Carbohydrate nutrition differs by diabetes status and is associated with dyslipidemia in Boston Puerto Rican adults without diabetes. *Journal of Nutrition* 2013;143(2):182-8.
  29. \*He J, Bhasin S, Binder EF, Yarasheski KE, **Castaneda-Sceppa C**, Schroeder ET, Roubenoff R, Chou C-P, Azen SP, Sattler FR. Cardiometabolic risks during anabolic hormone supplementation in older men. *Obesity* 2013;21(5):968-75. †
  30. \*Van Rompay MI, McKeown NM, **Castaneda-Sceppa C**, Falcon, LM, Ordovas JM, Tucker KL. Acculturation and sociocultural influences on dietary intake and health status among Puerto Rican adults in Massachusetts. *Journal of the American Dietetic Association* 2012;112:64-74.
  31. Hoffman J, Agrawal R, Wirth C, Watts C, \*Adeduntun G, \*Myles L, **Castaneda-Sceppa C**. Farm to Family: Increasing Access to Affordable Fruits and Vegetables among Head Start Families. *Journal of Hunger and Environmental Nutrition* 2012;7:165-177. †
  32. Hoffman J, Agrawal T, Carter S, Grinder A, **Castaneda-Sceppa C**. Cultural/Favorite Recipe Day: Strengthening Approaches to Increase Culturally Diverse Foods Served in Head Start Meals. *NHSA Dialog* 2012;15(3):266–271. †
  33. Hoffman JA, Agrawal T, Thompson D, Ferguson T, Grinder AM, Carter S, Healey C, Bhaumik U, **Castaneda-Sceppa C**. Increasing Culturally Diverse Foods in Head Start Meals Using a Collaborative Approach: Lessons Learned for School Food Service Modifications. *NHSA Dialog* 2012;15(3):246–259. †
  34. Agrawal T, Hoffman J, Ahl M, Bhaumik U, Healey C, Carter S, Joyce D, Dickerson D, Nethersole S, **Castaneda-Sceppa C**. Collaborating for impact: Partnership and programming model of a multi-level early childhood obesity prevention initiative. *Journal of Family and Community Health* 2012;35(3):192–202. †
  35. Schroeder ET, He J, Yarasheski KE, Binder EF, **Castaneda-Sceppa C**, Bhasin S, Dieli-Conwright C, Kawakubo M, Roubenoff R, Azen SP, Sattler FR. Value of measuring muscle performance to assess changes in lean mass with testosterone and growth hormone supplementation. *European Journal of Applied Physiology* 2012;112(3):1123–1131. †
  36. Sattler FR, Bhasin S, He J, Yarasheski KE, Binder EF, Schroeder TE, **Castaneda-Sceppa C**, Kawakubo M, Roubenoff R, Dunn M, Hahn C, Stewart Y, Martinez C, Azen SP. Durability of the effects of testosterone and growth hormone supplementation in older community dwelling men: The HORMA Trial. *Clinical Endocrinology* 2011;75,103–111. †
  37. Yarasheski KE, **Castaneda-Sceppa C**, He J, Kawakubo M, Bhasin S, Binder EF, Schroeder ET, Roubenoff R, Azen SP, Sattler FR. Whole body and muscle protein metabolism are not

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- affected by acute deviations from habitual protein intake in older men: The HORMA Study. *American Journal of Clinical Nutrition* 2011;94(1):172-181. †
38. Lincoln A, \*Shepherd A, Johnson PL, **Castaneda-Sceppa C**. Resistance training improves depression and health related quality of life among Hispanic older adults with type 2 diabetes. *Journal of Gerontology: Psychosocial Sciences* 2011;66B(5):567-570. †
39. Smith TJ, Schwarz JM, Montain SJ, Rood J, Pikosky MA, **Castaneda-Sceppa C**, Glickman EL, Young AJ. High protein diet maintains glucose production during exercise-induced energy deficit: a controlled trial. *Journal of Nutrition and Metabolism* 2011;8:26.
40. \*Van Rompay MI, **Castaneda-Sceppa C**, McKeown NM, Ordovas JM, Tucker KL. Prevalence of cardiovascular disease risk factors among older Puerto Rican adults living in Massachusetts. *Journal of Immigrant and Minority Health* 2011;13:825-33.
41. Sattler FR, Bhasin S, He J, Choud C-P, **Castaneda-Sceppa C**, Yarasheski KE, Binder EF, Schroeder TE, Kawakubo M, Zhang A, Roubenoff R, Azen SP. Testosterone threshold levels and lean tissue mass targets needed to enhance skeletal muscle strength and function: The HORMA Trial. *Journal of Gerontology Medical Sciences* 2011;66A(1):122–129. †
42. \*Brooks N, \*Cadena SM, Cloutier G, Carambula S, Myburgh KH, Roubenoff R, Vannier E, **Castaneda-Sceppa C**. Effects of 28 days of bed rest and 14 days of active recovery on human skeletal muscle gene expression. *Muscle and Nerve* 2010;42: 927–935. †
43. **Castaneda-Sceppa C**, Castaneda F. Calcitriol mediates the activity of SGLT1 through an extranuclear initiated mechanism that involves intracellular signaling pathways. *Journal of Physiology and Biochemistry* 2010;66(2):105–115. †
44. **Castaneda-Sceppa C**, Price LL, \*Noel SE, Bassett Midle J, Falcon LM, Tucker KL. Health status and physical function in aging Puerto Rican adults: The Boston Puerto Rican Health Study. *Journal of Aging and Health* 2010;22(5):653–672.
45. \*Chen J, Godfrey S, Ng T, \*Moorthi R, \*Liangos O, Ruthazer R, Jaber B, Levey AS, **Castaneda-Sceppa C**. Effect of intra-dialytic, low-intensity strength training on functional capacity in adult hemodialysis patients: A randomized trial. *Nephrology Dialysis Transplantation* 2010;25(6):1936-1943. †
46. Dawson-Hughes B, **Castaneda-Sceppa C**, Harris SS, Palermo NJ, Cloutier G, Ceglia L, Dallal GE. Impact of supplementation with bicarbonate on lower-extremity muscle performance in older men and women. *Osteoporosis International* 2010;21(7):1171-1179.
47. Balakrishnan VS, Rao M, Menon V, \*Gordon PL, Pilichowska M, Castaneda F, **Castaneda-Sceppa C**. Resistance Training Increases Skeletal Muscle Mitochondrial Biogenesis in Patients with Chronic Kidney Disease. *Clinical Journal of the American Society of Nephrology* 2010;5(6):996-1002. †
48. **Castaneda-Sceppa C**, \*Subramanian S, Castaneda F. Protein Kinase C mediated intracellular signaling pathways are involved in the regulation of sodium-dependent glucose co-transporter SGLT1 activity. *Journal of Cellular Biochemistry* 2010;109(6):1109-1117. †
49. Smith TJ, Pikosky MA, Grediagin A, **Castaneda-Sceppa C**, Byerley L, Glickman EL, Young AJ. Aerobic fitness does not modulate protein metabolism in response to increased exercise: a controlled trial. *Nutrition and Metabolism* 2009;6:28.
50. \*Layne JE, Arabelovic S, Wilson LB, Cloutier GJ, \*Pindrus, MA, Mallio CJ, Roubenoff R, **Castaneda-Sceppa C**. Community-based strength training improves physical function in older women with osteoarthritis. *Journal of Lifestyle Medicine* 2009;3(6):466-473. †
51. Bhasin S, He J, Kawakubo M, Schroeder T, Yarasheski K, Opiteck GJ, Reicin A, Chen F, Lam R, Tsou JA, **Castaneda-Sceppa C**, Binder EF, Azen SP, Sattler FR. N-Terminal
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- Propeptide of type III Procollagen (P3NP) as a biomarker of anabolic response to recombinant human growth hormone and testosterone. *Journal of Clinical Endocrinology and Metabolism* 2009;94:4224-4233.
52. Chung H, Ferreira A-L, Epstein S, Paiva S, **Castaneda-Sceppa C**, Johnson EJ. Site-Specific Concentrations of Carotenoids in Adipose: Relationships with dietary and serum carotenoid concentrations in healthy adults. *American Journal of Clinical Nutrition* 2009;90(3):533-539.
  53. Sattler FR, **Castaneda-Sceppa C**, Binder EF, Schroeder TE, Wang Y, Bhasin S, Kawakubo M, Stewart Y, Yarasheski KE, Ulloor J, Colletti P, Roubenoff R, Azen SP. Testosterone and growth hormone improve body composition and muscle performance in older men. *Journal of Clinical Endocrinology and Metabolism* 2009;94(6):1991-2001. †
  54. Dawson-Hughes B, Harris SS, Palermo N, **Castaneda-Sceppa C**, Rasmussen HM, Dallal GE. Treatment with potassium bicarbonate lowers calcium excretion and bone resorption in older men and women. *Journal of Clinical Endocrinology and Metabolism* 2009;94:96–102.
  55. **Castaneda-Sceppa C**, Bermudez OI, Wanke C, Forrester JE. Predictors of insulin resistance among Hispanic adults infected with or at risk of infection with the human immune-deficiency virus and hepatitis C virus. *Journal of Viral Hepatology* 2008;15:878-887.
  56. \*Layne JE, \*Sampson SE, Mallio CJ, Hibberd PL, Griffith JL, Das SK, Flanagan, WJ, **Castaneda-Sceppa C**. Successful dissemination of a community-based strength training program for older adults by peer and professional leaders. *Journal of the American Geriatrics Society* 2008;56:2323-2329. †
  57. Pikosky MA, Smith TJ, Grediagin A, **Castaneda-Sceppa C**, Byerley L, Glickman EL, Young AJ. Increased protein maintains nitrogen balance during exercise-induced energy deficit. *Medicine and Science in Sports and Exercise* 2008;40(3):505-512.
  58. \*Chen JT, Lerner D, Ruthazer R, **Castaneda-Sceppa C**, Levey AS. Association of physical activity with mortality in chronic kidney disease. *Journal of Nephrology* 2008;21:243-252.
  59. \*Brooks N, Cloutier GC, \*Cadena SM, \*Layne JE, Nelsen CA, Freed AM, Roubenoff R, **Castaneda-Sceppa C**. Resistance training and timed essential amino acids protect against the loss of muscle mass and strength during 28 days of bed rest and energy deficit. *Journal of Applied Physiology* 2008;105(1):241-248. †
  60. \*Schroeder ET, **Castaneda-Sceppa C**, Wang Y, Binder E, Kawakubo M, Stewart Y, Storer T, Roubenoff R, Bhasin S, Yarasheski KE, Sattler FR, Azen SP. Hormonal Regulators of Muscle and Metabolism in Aging (HORMA): design and conduct of a complex, double masked multicenter trial. *Clinical Trials* 2007;4(5):560-571. †
  61. **Castaneda-Sceppa C**, Sarnak MJ, Wang X, Greene T, Madero M, Kusek JW, Beck G, Collins AJ, Kopple JD, Levey A, Manon V. Role of the adipose tissue in determining muscle mass in patients with chronic kidney disease. *Journal of Renal Nutrition* 2007;17(5):314-322.
  62. \*Madero M, Sarnak MJ, Wang X, **Castaneda-Sceppa C**, Greene T, Beck GJ, Kusek JW, Collins AJ, Levey AS, Menon V. Body mass index and mortality in chronic kidney disease. *American Journal of Kidney Disease* 2007;50(3):404-411.
  63. \*Schroeder ET, Wang Y, **Castaneda-Sceppa C**, Cloutier G, \*Vallejo AF, Kawakubo M, Jensky NE, Coomber S, Azen SP, Sattler FR. Reliability of maximal voluntary muscle strength and power testing in older men. *Journal of Gerontology* 2007;62(5):543-549.
  64. \*Brooks N, \*Layne JE, \*Gordon PL, Roubenoff R, Nelson ME, **Castaneda-Sceppa C**. Strength training improves muscle quality and insulin sensitivity in Hispanic older adults with type 2 diabetes. *International Journal of Medical Sciences* 2006;4(1):19-27. †
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65. \*Gordon PL, Vannier E, Hamada K, Witsell A, \*Layne JE, Hurley BF, Roubenoff R, **Castaneda C**. Effects of resistance training on cytokine gene expression in skeletal muscle of older adults with type 2 diabetes. *International Journal of Immunopathology & Pharmacology* 2006;19(4):487-497. †
  66. Castaneda F, \*Layne JE, **Castaneda C**. Skeletal muscle sodium glucose co-transporters in older adults with type 2 diabetes undergoing resistance training. *International Journal of Medical Sciences* 2006;3(3):84-91. †
  67. **Castaneda C**, \*Janssen I. Ethnic comparisons of low skeletal muscle mass and obesity in diabetes. *Ethnicity and Disease* 2005;15(4):664-670.
  68. **Castaneda C**, \*Gordon PL, Parker R, Uhlin KL, Roubenoff R, Levey AS. Resistance Training to reduce the malnutrition-inflammation complex syndrome of chronic kidney disease. *American Journal of Kidney Disease* 2004; 43(4):607-616. †
  69. Nelson ME, \*Layne J, \*Bernstein M, Nuernberger A, **Castaneda C**, \*Kaliton D, Hausdorff J, Judge J, Buchner DM, Roubenoff R, Fiatarone Singh MA. The effects of multi-dimensional home-based exercise on functional performance in the elderly. *Journal of Gerontology* 2004;59A(2):154-160.
  70. **Castaneda C**, \*Layne J, Munoz-Orians L, \*Gordon PL, \*Walsmith J, Foldvari M, Roubenoff R, Tucker KL, Nelson M. A randomized control trial of progressive resistance exercise training in older adults with type 2 diabetes. *Diabetes Care* 2002;25(12):2335-2341. †
  71. \*Bernstein MA, Nelson ME, Tucker KL, \*Layne J, Johnson E, Neurenberger A, **Castaneda C**, Judge JO, Buchner D, Fiatarone Singh MA. Home-based nutrition intervention to increase consumption of fruits, vegetables and calcium-rich foods in community dwelling elders. *Journal of the American Dietetic Association* 2002;102:1421-1427.
  72. \*Bathalon GP, \*Hays NP, McCrory MA, \*Vinken AG, Tucker KL, Greenberg, AS, **Castaneda C**, Roberts S. The energy expenditure of postmenopausal women classified as restrained or unrestrained eaters. *European Journal of Clinical Nutrition* 2001;55:1059-1067.
  73. **Castaneda C**, \*Gordon PL, Uhlin KL, Levey AS, Kehayias JJ, Dwyer JT, Roubenoff R, Fielding RA, Fiatarone Singh, MA. Resistance training to counteract the catabolism of a low protein diet in patients with chronic renal insufficiency. A randomized, controlled trail. *Annals of Internal Medicine* 2001;135 (11):965-976. †
  74. **Castaneda C**, Bermudez OI, Tucker KL. Protein nutritional status and function are associated with type 2 diabetes in Hispanic elders. *American Journal of Clinical Nutrition* 2000;72:89-95.
  75. Tucker KL, Bermudez O, **Castaneda, C**. Type 2 diabetes is prevalent and poorly controlled among Caribbean origin Hispanic elders. *American Journal of Public Health* 2000;90:1288-1293.
  76. **Castaneda C**, \*Gordon PL, Fielding RA, Evans WJ, Crim MC. Marginal protein intake results in reduced plasma IGF-I levels and skeletal muscle fiber atrophy in elderly women. *Journal of Nutrition Health and Aging* 2000;4(2):85-90. †
  77. Foldvari M, Clark M, Laviolette LC, \*Bernstein MA, \*Kaliton D, **Castaneda C**, \*Pu CT, Hausdorff JM, Fielding RA, Fiatarone Singh MA. Association of muscle power with functional status in community-dwelling elderly women. *Journal of Gerontology* 2000;55A(4):M192-M199.
  78. Johnson, EJ, Hammond BR, Yeum K-J, Qin J, Wang XD, **Castaneda C**, Snodderly M, Russell, RM. Relation among serum and tissue concentrations of lutein and zeaxanthin and macular pigment density. *American Journal of Clinical Nutrition* 2000;71:1555-1562.



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79. King JE, Mazariegos M, Valdez C, **Castaneda C**, Solomons NW. Nutritional status indicators and their interactions among rural Guatemalan elderly. An ecological study in San Pedro Ayampuc. *American Journal of Clinical Nutrition* 1997;66:795-802. †
  80. Prior RL, Crim MC, **Castaneda C**, Lammi-Keefe C, Dawson-Hughes B, Rosen CJ, Spindler AA. Conditions altering plasma concentrations of urea cycle and other amino acids in elderly subjects. *Journal of the American College of Nutrition* 1996;15(3):237-247.
  81. **Castaneda C**, Charnley JM, Evans WJ, Crim MC. Elderly women accommodate to a low protein diet with losses of body composition, muscle function, and immune response. *American Journal of Clinical Nutrition* 1995;62:30-39. †
  82. **Castaneda C**, Dolnikowski GG, Dallal GE, Evans WJ, Crim MC. Protein turnover and energy metabolism of elderly women chronically fed a low protein diet. *American Journal of Clinical Nutrition* 1995;62:40-48. †
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#### **Refereed Original Articles in Review**

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2. Todorova I, Jamal-Allial A, Turner H, **Castaneda-Sceppa C**, Bonner A, Young D. Supporting caregivers of people with dementia living in the community: The role of social connections and engagement. †

#### **Refereed Position Statements, Technical Reports, Reviews, and Editorials**

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2. **Castaneda-Sceppa C**, Castaneda F. Sodium-dependent glucose transporter protein as a potential therapeutic target for improving glycemic control in diabetes. *Nutrition Reviews* 2011;69(12):720–729. †
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### **Non-Referred Abstracts and Reviews**

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2. \*Ashwini R, \*Saksono H, Parker A, Hoffman J, \*Kamarthi G, Wirth C, **Castaneda-Sceppa C**. Spaceship Launch: A Community-Driven technology intervention promoting physical activity in a low-income, minority neighborhood. *Northeastern University Research Expo*, Boston, MA, April 2014.
3. \*Kenny H, \*Smileye J, \*DuBois M, \*Thomas J, \*Larracuenta M, Agrawal T, Hoffman J, **Sceppa C**. Healthy Kids, Healthy Futures: A multilevel approach to prevent obesity. *Northeastern University Research Expo*, Boston, MA, March 2010.
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2. Parker AG, Saksono H, Hoffman JA, **Castaneda-Sceppa C.** A Community Health Orientation for Wellness Technology Design & Delivery. In *Designing Healthcare That Works: A Sociotechnical Approach*, Mark Ackerman, Sean Goggins, Thomas Herrmann, Michael Prilla and Christian Stary (eds.). 2017. Elsevier Inc.
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### **Refereed Abstracts**

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1. **Castaneda C**. Adaptation to Marginal Dietary Protein Intakes in Elderly Women. An unpublished thesis in partial fulfillment for the degree of Doctor of Philosophy, School of Nutrition Science and Policy, Tufts University, 1994.
2. **Castaneda C**. Prevalence of Retinoblastoma among Urban Children in Guatemala. An unpublished thesis in partial fulfillment for the degree of Licenciante as Physician and Surgeon, Francisco Marroquin University, Guatemala City, Guatemala, 1987.

### **Media Featuring Scholarship**

#### ***Bouvé College of Health Sciences***

[Massachusetts can lead in health equity by integrating it into all policies - The Boston Globe](#)

[The Science Behind COVID-19 Vaccines](#)

[COVID-19: Vaccine 101](#)

[Academic Public Health Volunteer Corps](#)

[Health in Translation](#)

[Service-Learning at Bouvé](#)

#### ***Bouvé College of Health Sciences – Dean’s Vision and Blog***

[Vision - Bouvé College of Health Sciences](#)

#### ***Muscle Health and Lifestyle – role of Healthy Eating and Physical Active***

<http://www.northeastern.edu/tomorrow/healthcare-delivery/carmen-sceppa-redefines-exercise>

<http://www.ars.usda.gov/is/AR/archive/may05/sarco0505.htm>

<http://www.ars.usda.gov/is/pr/2002/020412.htm>

#### ***Northeastern University – Interdisciplinary Translational Research***

<https://bouve.northeastern.edu/2019/05/10/when-is-a-fitbit-like-a-new-years-resolution/>

<https://www.northeastern.edu/search/?query=sceppa>

<http://www.northeastern.edu/news/2012/07/taking-a-community-based-approach-to-health/>

#### ***Healthy Kids Healthy Futures –*** <http://www.northeastern.edu/healthykids>

<http://www.northeastern.edu/news/2013/05/head-start/>

<http://www.northeastern.edu/insolution/technology/2013/03/parker/>

<http://www.northeastern.edu/news/2009/04/healthykidshealthyfutures/>

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**Family Gym** – <http://www.northeastern.edu/healthykids/for-families/>  
<http://www.northeastern.edu/news/2009/06/open-gym/>  
<http://vimeo.com/34619139>  
[http://www.cityofboston.gov/cable/video\\_library.asp?id=2342](http://www.cityofboston.gov/cable/video_library.asp?id=2342)

**Participatory Community-Based Exercise Program for Older Adults:**  
[http://tuftsjournal.tufts.edu/archive/2004/january/features/living\\_well.shtml](http://tuftsjournal.tufts.edu/archive/2004/january/features/living_well.shtml)

**Nutrition, Culture and Disease:**  
<http://www.ars.usda.gov/is/AR/archive/apr03/nutr0403.htm>  
<http://www.ars.usda.gov/is/pr/2000/000921.htm>

**Resistance Training Benefits in Older Hispanic Adults with Type 2 Diabetes:**  
<http://www.ars.usda.gov/is/pr/2002/021218.htm>

### **Board and Committee Membership**

|             |  |
|-------------|--|
| 2021 – 2025 | Treasurer-Elect (1-year role) and Treasurer (3-year role), Gerontological Society of America (GSA) Board of Directors  |
| 2018 –      | Faculty Mentor, NIA/GSA Diversity Mentoring and Career Development Technical Assistance Workshop   |
| 2015 –      | Member, Aging in Public Health Council, Association of Schools and Programs of Public Health (ASPPH)   |
| 2014 – 2016 | Chair, Aging & Chronic Disease Research Interest Section (RIS), American Society for Nutrition (ASN)   |
| 2012 – 2014 | Chair-Elect, Aging & Chronic Disease Research Interest Section (RIS), American Society for Nutrition (ASN)   |
| 2013 – 2014 | Past-Chair, Planning Committee, Network of Minority Research Investigators (NMRI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Washington, DC      |
| 2012 – 2013 | Chair, Planning Committee, Network of Minority Research Investigators (NMRI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Washington, DC           |
| 2011 – 2012 | Chair-Elect, Planning Committee, Network of Minority Research Investigators (NMRI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Washington, DC     |
| 2011 – 2012 | Chair, Intervention Working Group, Centers for Population Health and Health Disparities, National Heart Lung and Blood Institute (NHLBI) and the National Cancer Institute (NCI) |
| 2010 – 2012 | Member, Planning Committee, Network of Minority Research Investigators (NMRI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Washington, DC          |
| 2004 –      | Member, Network of Minority Research Investigators (NMRI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Washington, DC                              |
| 2004 –      | American Diabetes Association Council on Exercise  |

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- 2003 – Faculty, W.B. Schwartz Research Training Program Division of Nephrology,  
Tufts Medical Center, Boston, MA
- 2002 – 2005 Committee on Professional Nutrition Education, American Society for  
Clinical Nutrition
- 2000 – 2004 Diversity in Medicine Committee, Massachusetts Medical Society,  
Waltham, MA

## **PROFESSIONAL ORGANIZATIONS**

- 20019 – Fellow, Gerontological Society of America - Health Sciences Section
- 2011 – 2017 American College of Sports Medicine (ACSM)
- 2004 – Network of Minority Research Investigators (NMRI), National Institute of  
Diabetes and Digestive and Kidney Diseases (NIDDK)
- 2001 – 2016 American Diabetes Association and ADA’s Council on Exercise (ADA)
- 1999 – 2017 Researchers against Inactivity Related Diseases (RID)
- 1999 – 2015 Massachusetts Public Health Association (MAPH)
- 1997 – Gerontological Society of America (GSA)
- 1994 – American Society for Nutrition (ASN)
- 1994 – 2007 Society of International Nutrition Research (SINR)
- 1987 – College of Physicians and Surgeons of Guatemala