

Date Prepared: 9/1/2021 <https://orcid.org/0000-0002-1750-1747>

A. EDUCATION AND ACADEMIC QUALIFICATIONS

Education

2007	BS, summa cum laude	Dietetics	University of Connecticut
2009	MS	Allied Health Sciences	University of Connecticut
2012	PhD	Nutritional Sciences Dr. Jane E. Kerstetter, Ph.D., R.D.	University of Connecticut

Postdoctoral Training

09/12- 08/13	Post-Doctoral Research Fellow	Nutrition, Aging and Musculoskeletal Research Dr. Marian T. Hannan, D.Sc.	Institute for Aging Research, Hebrew Senior Life, Harvard Medical School
08/13 – 07/15	Post-Doctoral Research Fellow	Nutrition, Aging and Musculoskeletal Research Dr. Marian T. Hannan, D.Sc.	BIDMC/Harvard Translational Research in Aging Training Program

Appointments

09/2021- present	Associate Professor	Department of Biomedical and Nutritional Sciences	University of Massachusetts, Lowell
01/17- present	Nutrition Program Director	Department of Biomedical and Nutritional Sciences	University of Massachusetts, Lowell
09-15- present	Adjunct Faculty	Marcus Institute	Hebrew SeniorLife, Harvard Medical School Affiliate, Boston
09/15- 08/2021	Assistant Professor	Department of Biomedical and Nutritional Sciences	University of Massachusetts, Lowell

Honors and Prizes

2017	BNS Department Teaching Excellence Award	University of Massachusetts, Lowell	Competitive teaching award
2015	2016 Future Leader Award Finalist	International Life Studies Institute of Northern America	Competitive young investigator research award
2015	Postdoctoral Research Award Competition Nominee	DuPont Nutrition and Health American Society of Nutrition	Competitive abstract and research award
2015	Emerging Leaders in Nutrition Science Poster Competition Nominee	American Society of Nutrition	Competitive abstract and research award

2014	U.S. Bone and Joint Initiative Young Investigators program	U.S. Bone and Joint Initiative	Competitive award of acceptance
2014	Aging and Chronic Disease Research Interest Section Poster Competition Award Winner	American Society of Nutrition	Competitive abstract and research award
2013	Young Investigator Award	American Society for Bone and Mineral Research	Competitive abstract and research award
2013	Seventh Fellows Forum on Metabolic Bone Diseases	American Society for Bone and Mineral Research	Selected participant and travel award recipient
2010	Mary Frances Picciano Dietary Supplement Research Practicum	National Institutes of Health	Selected participant and travel award recipient
2007	American Dietetic Association Outstanding Dietetic Student	American Dietetic Association	Scholastic excellence
2006	G. Jane Hartman Scholarship Recipient	American Dietetic Association	Scholastic excellence

B. PROFESSIONAL ACTIVITIES

Professional Societies		
2010-present	American Society for Bone and Mineral Research	Member
2010-present	American Society for Nutrition	Member
2016-present	American Society for Nutrition	Nutritional Epidemiology Research Interest Section steering committee member; Chair, mini-symposium Experimental Biology, Nutrition 2018-2019; Chair, Nutrition Epi RIS Mentoring Event 2019
2014-2016	American College of Rheumatology	Member
2007-2015	Academy of Nutrition and Dietetics	Member
2007-2015	Connecticut Dietetic Association	Member

Editorial Activities		
PLOS ONE		
Journal of Bone Mineral Research		
Osteoporosis International		
Archives of Osteoporosis		
Journal of Nutrition Health and Aging		
American Journal of Clinical Nutrition		
Nutrition Research		

European Journal of Clinical Nutrition
 Bone
 Calcified Tissue International
 Arthritis Care and Research
 Public Health Nutrition
 British Journal of Nutrition
 Journal of Sports Sciences
 Advances in Nutrition
 Obesity
 Journal of the Academy of Nutrition and Dietetics (BOE member)

Service to the American Society of Nutrition (ASN)

2016-2019 Nutrition Epidemiology Research Interest Section, Steering Committee Member
 2019 Nutrition Epidemiology Research Interest Section, Mentoring Committee **Chair**
 2018 ASN Emerging Leader Competition, Organizer and Lead Judge
 2017, 2018, 2019 ASN Research Symposium **Chair**
 2017, 2018, 2019 ASN Abstract Reviewer
 2017 ASN Emerging Leader Competition, Judge
 2011-2018 Nutrition Epidemiology Research Interest Section, Mentoring Committee Member

Service to the Academy of Nutrition and Dietetics (AND)

June 2020- Board of Editors, Journal of the Academy of Nutrition and Dietetics, Member
 Present

Report of Clinical Activities

Current Licensure and Certification

2007- Registered Dietitian
 Present
 2007-2013 Connecticut Certified Dietitian-Nutritionist

Practice Activities

05/2007- 08/2012	Inpatient clinical dietitian	The Hospital of Central Connecticut	Per-diem
05/2007- 08/2012	Inpatient clinical dietitian	The University of Connecticut Health Center	Per-diem

C. RESEARCH

Grants and Contracts

Report of Funded Projects

2021-2023 Longitudinal associations between dairy foods and biomarkers with cardiometabolic outcomes among adults from the Boston Puerto Rican Osteoporosis Study
 National Dairy Council

PI: Kelsey M. Mangano, \$166,110

- 2021-2023 Dietary titanium dioxide exposure and gut health among adults
USDA, A1343
PI: Kelsey M. Mangano, \$496,885
- 2020-2021 The impact of the COVID-19 pandemic on psychosocial health and other social factors in a longitudinal cohort of Puerto Rican adults living on the US mainland.
University of Massachusetts, Lowell Internal Seed Grant COVID-19 Response
PI: Kelsey M. Mangano, \$10,000
This project will build on an existing NIH-funded cohort, the Boston Puerto Rican Health Study (BPRHS), to obtain data regarding the impact of the COVID-19 pandemic on this vulnerable ethnic minority population.
- 2018-2022 Bone microarchitecture, diabetes and change in bone mineral density in Puerto Rican adults
NIH- R01, NIAMS R01AR072741
Co-I (20% effort): Kelsey M. Mangano (PI: Katherine Tucker, \$3,000,000)
The goal of this study is to investigate longitudinal changes in bone microarchitecture and strength among Puerto Rican adults with and without diabetes.
- 2019-2020 Dry beans predict muscle health via increased SCFA production in the gut.
Dry Beans Association Grant Award
PI: Kelsey M. Mangano, \$20,000
The goal of this study is to elucidate mechanisms behind dry bean intake's association with muscle outcomes in the Boston Puerto Rican Health Study.
- 2017-2019 Identifying mechanisms underpinning the impact of daily yogurt supplementation on the gut microbiome, inflammation and bone biomarkers
Yogurt in Nutrition Initiative, American Society for Nutrition, International Osteoporosis Foundation, Dannone
PI: Kelsey M. Mangano, \$30,000
The goal of this study is to examine how yogurt influences the gut microbiome and biomarkers of inflammation and bone turnover in older adults.
- 2017-2018 UMOVE (UMass MOVEMENT Research Center): Exploring the mechanics of movement and muscle function
University of Massachusetts Lowell, Science and Technology Grant Award
Co-I: Kelsey Mangano (PI: Matthew Gage, \$25,000)
- 2017-2019 Linking Nutrition with Muscle Function via Signaling Pathways
University of Massachusetts, Lowell, Internal Seed Grant
Co-I: Kelsey M. Mangano, \$10,000 (PI: Nicolai Konow)
The goal of this study is to investigate the molecular underpinnings of differential protein food types on muscle power and function in mice.
- 2016-2018 Total Student Health
College of Health Sciences, University of Massachusetts Lowell, Internal Seed Grant

Co-PI: Kelsey M. Mangano, \$6,000 (with co-PIs Herpreet Thind, Brenna Quinn and Mazen El Ghaziri)

The goal of this study is to investigate determinants of health among college students.

- 2016-2018 Aging from the Inside Out: Diet, Inflammation and Gut Microbiota
College of Health Sciences, University of Massachusetts Lowell, Internal Seed Grant
PI: Kelsey M. Mangano, \$8,000
The goal of this study is to investigate whether dysbiosis mediates the association between the dietary patterns of Caribbean Latinos and their high levels of chronic inflammation.
- 2013-2014 Protein Food Clusters and Measures of Bone Mineral Density and Muscle Strength
Academy of Nutrition and Dietetics, Healthy Aging DPG
PI: Kelsey M. Mangano, \$5,000
The goal of this study is to investigate the relation of protein food groups (as defined by cluster analysis) with bone mineral density and muscle strength using the data from the Framingham Osteoporosis Study.
- 2013-2015 Protein Food Clusters and Measures of Bone Mineral Density and Muscle Strength
NIA- T32 grant: BIDMC/Harvard Translational Research in Aging Training Program
Project leader: Kelsey M. Mangano, \$100,000 (PI: Lewis Lipsitz, MD)
The goal of this study is to investigate the relation of protein food groups (as defined by cluster analysis) with bone mineral density and muscle strength using the data from the Framingham Osteoporosis Study.

Pending

Report of Scholarship

Academic and Professional Publications

Scopus H index score 17, i10-index 19 (1,222 total citations)

Peer reviewed publications

Published, peer-reviewed

1. **Mangano KM**, Noel SE, Zhang X, Tucker KL. Sufficient plasma vitamin C is related to greater bone mineral density among postmenopausal women from the Boston Puerto Rican Health Study. *J Nutr.* (In Press, August 2021).
2. Riseberg E, Lopez-Cepero A, **Mangano KM**, Tucker KL, Mattei J. Specific dietary protein sources are associated with cardiometabolic risk factors in the Boston Puerto Rican Health Study. *Academy of Nutrition and Dietetics.* (In Press, May 2021).
3. Putra C; Konow N; Gage M; York CG; **Mangano KM**. Protein Source and Muscle Health in Older Adults: A Literature Review. *Nutrients* 2021, 13(3), 743; <https://doi.org/10.3390/nu13030743>
4. **Mangano KM**; Noel, SE; Lai, CQ; Christensen, JJ, Ordovas, JM, Dawson-Hughes, B, Tucker, KL; Laurence D. Parnell, PhD. Diet-derived fruit and vegetable metabolites suggest sex-specific mechanisms

- conferring protection against osteoporosis in humans. *Bone*. 2021 Mar;144:115780. doi: 10.1016/j.bone.2020.115780. Epub 2020 Dec 2.
5. Kronrod A, Hammar M, Lee J, Thind H, **Mangano KM**. On mood and food: figurative language encourages healthier food choices via perceived fun. *Linguistic Delight Promotes Eating Right: Figurative Language Increases Perceived Enjoyment and Encourages Healthier Food Choices*. *Health Communication*, 2020. DOI: 10.1080/10410236.2020.1805231
 6. Maldonado-Contreras AL, Noel SE, Ward DV, Velez M, **Mangano KM**. Associations between diet, the gut microbiome and short chain fatty acid production among older Caribbean Latino adults are ameliorated by laxative use. *J Acad Nutr Diet*. 2020 Dec;120(12):2047-2060.e6. doi: 10.1016/j.jand.2020.04.018. Epub 2020 Aug 12.
 7. Noel SE, **Mangano KM**, Mattei J, Griffith JL, Dawson-Hughes B, Bigornia S, and Tucker KL. DASH, Mediterranean and Alternative Healthy Eating Indices are associated with bone health among Puerto Rican adults from the Boston Puerto Rican Osteoporosis Study. *The American Journal of Clinical Nutrition*, Volume 111, Issue 6, June 2020, Pages 1267–1277, <https://doi.org/10.1093/ajcn/nqaa090>
 8. Noel SE, Arevalo SP, Mena NZ, **Mangano KM**, Velez M, Dawson-Hughes B, Tucker KL. Knowledge, attitudes, beliefs, and health behaviors of bone health among Caribbean Hispanic/Latino adults. *Arch Osteoporos*. 2019 Feb 4;14(1):14. doi: 10.1007/s11657-019-0566-5.
 9. Quinn, BL, El Ghaziri, M, **Mangano, KM**, Thind, H. (2019). Towards total student health: A qualitative pilot study. *Journal of American College Health*. 67(5), 391-396.
 10. **Mangano KM**, Noel SE, Sahni S, Tucker KL. Higher Dairy Intakes Are Associated with Higher Bone Mineral Density among Adults with Sufficient Vitamin D Status: Results from the Boston Puerto Rican Osteoporosis Study. *J Nutrition*, 2018. Accepted Author Manuscript; doi: 10.1093/jn/nxy234
 11. Clark LR, Dellogono M, Chenette E, **Mangano KM**, Wilson TA. A Twelve-week Treadmill Program Elicits Low Energy Availability Without Changes in Serum Testosterone in Male Rats Fed Either a Low or High Cholesterol Diet. *Sports Sciences for Health*, April 2018. DOI: 10.1007/s11332-018-0455-0
 12. Clark LR, Dellogono MJ, **Mangano KM**, Wilson TA. Clinical Menstrual Dysfunction Is Associated with Low Energy Availability but Not Dyslipidemia in Division I Female Endurance Runners. *Journal of Exercise Physiology Online*, 2018. 21(2), 265-277.
 13. Noel SE, **Mangano KM**, Griffith JL, Wright NC, Dawson-Hughes B, Tucker KL. Prevalence of osteoporosis and low bone mass among Puerto Rican older adults. *J Bone Miner Res*. 2018 Mar; 33(3): 396–403. Published online 2017 Dec 7. doi: 10.1002/jbmr.3315
 14. Sahni S, **Mangano KM**, Kiel DP, Tucker KL, Hannan MT. Dairy Intake Is Protective against Bone Loss in Older Vitamin D Supplement Users: The Framingham Study. *J Nutr*. 2017 Apr;147(4):645-652. doi: 10.3945/jn.116.240390.
ASSOCIATED PRESS: see below **
 15. **Mangano KM**, Sahni S, Kiel DP, Tucker KL, Dufour AB, Hannan MT. Dietary protein is associated with musculoskeletal health independently of dietary pattern: the Framingham Third Generation Study. *Am J Clin Nutr*, 2017 Feb 8. 105 (3), 714-722.

ASSOCIATED PRESS: see below *

16. **Mangano KM**, Kenny AM. The Role of Diet and Nutritional Status in Recovery from Hip Fracture in the Elderly. *Curr Nutr Rep* (2016) 5: 113. doi:10.1007/s13668-016-0164-8
17. McLean RR, **Mangano KM**, Hannan MT, Kiel DP, Sahni S. Dietary Protein Intake Is Protective Against Loss of Grip Strength Among Older Adults in the Framingham Offspring Cohort. *J Gerontol A Biol Sci Med Sci*. 2016 Mar;71(3):356-61. doi: 10.1093/gerona/glv184. PMID: 26525088
18. Sahni S, **Mangano KM**, McLean RR, Hannan MT, Kiel DP. Dietary Approaches for Bone Health: Lessons from the Framingham Osteoporosis Study. *Curr Osteoporos Rep*. 2015 Aug;13(4):245-55. doi: 10.1007/s11914-015-0272-1. PMID: 26045228
19. Sahni S, **Mangano KM**, Hannan MT, Kiel DP, McLean RR. Higher Protein Intake Is Associated with Higher Lean Mass and Quadriceps Muscle Strength in Adult Men and Women. *J Nutr*. 2015 Jul;145(7):1569-75. doi: 10.3945/jn.114.204925. Epub 2015 May 27. PMID: 26019246
20. Bihuniak J, Kerstetter JE, Brindisi J, Sullivan R, **Mangano KM**, Larocque S, Kotler B, Simpson C, Cusano AM, Kleppinger A, Reynolds J, Dziura J, Kenny AM, Insogna KL. The effect of a whey protein supplement on bone mass in older Caucasian adults. *J Clin Endocrinol Metab*. 2015 Jun;100(6):2214-22. doi: 10.1210/jc.2014-3792. Epub 2015 Apr 6.
21. Hannan MT, **Mangano KM**, Sahni S. Commentary: Do Nutrients Influence Bone Health? A Commentary on New Findings in the Field. *J Bone Miner Res*. 2015 Jun;30(6):967-9. doi: 10.1002/jbmr.2526.
22. **Mangano KM**, Sahni S, Kiel DP, Tucker KL, Dufour AB, Hannan MT. Bone mineral density and protein derived food clusters from the Framingham Offspring Study. *J Acad Nutr Diet*. 2015 May 30. pii: S2212-2672(15)00392-5. doi: 10.1016/j.jand.2015.04.001.
23. Sahni S, **Mangano KM**, Tucker KL, Kiel DP, Casey VA, Hannan MT. Protective association of milk intake on the risk of hip fracture: Results from the Framingham Original Cohort. *J Bone Miner Res*. 2014 Aug;29(8):1756-62.
24. Gregorio L, Brindisi J, Kleppinger A, Sullivan R, **Mangano KM**, Bihuniak J, Kenny AM, Kerstetter JE, Insogna KL. Adequate dietary protein is associated with better physical performance among post-menopausal women 60-90 years. *Journal of Nutrition Health and Aging*, 2014, 18(2): 155-160.
25. **Mangano KM**, Sahni S, Kerstetter JE. Dietary protein is beneficial to bone health under conditions of adequate calcium intake: an update on clinical research. *Curr Opin Clin Nutr Metab Care*. 2014 Jan;17(1):69-74.
26. **Mangano KM**, Walsh SJ, Kenny AM, Insogna KL, Kerstetter JE. Dietary acid load is associated with lower bone mineral density in men with low intake of dietary calcium. *J Bone Miner Res*, 2014. 29(2):500-6.
27. **Mangano KM**, Kerstetter JE, Kenny A, Insogna KL, Walsh SJ. An investigation of the association between omega 3 fatty acids and bone mineral density among older adults: results from the National Health and Nutrition Examination Survey years 2005-2008. *Osteoporos Int*. 2014;25(3):1033-41.

28. **Mangano KM**, Hutchins-Weiss H, Kenny AM, Walsh SJ, Abourizk R, Bruno R, Lipcius R, Fall P, Kleppinger A, Pesce L, Prestwood K, Kerstetter JE. Soy proteins and isoflavones reduce interleukin-6 but not serum lipids in older women: A randomized controlled trial. *Nutr Res*, 2013. 33(12):1026-33.
29. **Mangano KM**, Sahni S, Kerstetter JE, Kenny AM, Hannan MT. Polyunsaturated fatty acids and their relation with bone and muscle health in adults. *Curr Osteoporosis Rep*, 2013. 11(3):203-12.
30. **Mangano KM**, Walsh SJ, Insogna KL, Kenny AM, Kerstetter JE. Calcium Intake in the United States from Dietary and Supplemental Sources Across Adult Age Groups: New Estimates from the National Health and Nutrition Examination Survey 2003-2006. *J Am Diet Assoc*, 2011. 111(5): 687-695.
31. Kenny AM, **Mangano KM**, Abourizk R, Bruno R, Anamani D, Kleppinger A, Walsh SJ, Prestwood K and Kerstetter JE. Soy proteins and isoflavones affect bone mineral density in older women: a randomized controlled trial. *Am J Clin Nutr*, 2009. 90(1): 234-42.

Book Chapters

1. **Mangano KM**, Bao YH, Zhao. Whey Protein Production, Chemistry, Functionality and Applications. *Nutritional Properties of Whey Proteins*. Editor: Mingruo Guo. Publisher: John Wiley and Sons Ltd. 2019
2. McKinney S, **Mangano KM**. Chapter 27 Illustrating the Results of Research; Research: Successful Approaches – 4th edition. © Academy of Nutrition and Dietetics, 2018.
3. **Mangano KM**, Tucker KL. Bone health and vegan diets. François Mariotti (Ed.), *Vegetarian and Plant-Based Diets in Health and Disease Prevention*. © Elsevier, 2016.
4. Hannan MT, Sahni S, **Mangano KM**. Evidence for a link between dietary protein and bone and muscle health in adults. C. Weaver, R. Daly and H. Bischoff-Ferrari (Eds.), *Nutritional Influences on Bone Health*. DOI: 10.1007/978-3-319-32417-3_5, © Springer International Publishing, Switzerland 2016, 8, pp 51-60.

*** Associated Press Online:**

- a. Time Magazine Health: <http://time.com/4664468/plant-protein-meat-muscle-health/>
- b. Health Medicine Network: <http://healthmedicinet.com/i/dietary-protein-from-any-source-2/>
- c. Men's Journal: <http://www.mensjournal.com/health-fitness/articles/cutting-meat-without-cutting-muscle-w466902>
- d. Research MD: <https://www.reachmd.com/news/veggie-burger-builds-muscle-well-meat/1430114/>
- e. Reuters Health: <http://www.reuters.com/article/us-health-muscle-dietary-protein-idUSKBN15N2TX>
- f. Coach: <http://coach.nine.com.au/2017/02/10/09/56/plant-protein-for-muscle-health>
- g. One Green Planet: <http://www.onegreenplanet.org/news/study-confirms-plant-based-protein-is-the-same-as-meat/>
- h. The Asian Age: <http://www.asianage.com/life/health/090217/dietary-protein-may-help-muscle-health.html>

- i. **Health:** <http://www.health.com/nutrition/vegetarian-protein-animal-protein-build-muscle>
- j. **Orthopedics This Week:** <https://ryortho.com/2017/02/unilateral-amputees-fare-better-than-limb-salvage-patients-and-more/>

Radio:

- a. **German Public Radio**, WDR Section for Science, Technology and Environment, Westdeutscher Rundfunk, February 13, 2017.

**** Associated Press Online:**

- a. **Media Alert** for Volume 147 Issue 4 of the Journal of Nutrition: <http://jn.nutrition.org>

Clinical Guidelines and Reports

Clinical protocol at the Hospital of Central Connecticut
 Guidelines for inpatient dietitians regarding the use of the Nutrition Care Process as outlined by the Academy of Nutrition and Dietetics, 2011
 Co-author

Standard of care at the Hospital of Central Connecticut
 Nutrition risk criteria used for screening assessment by all inpatient dietitians at the Hospital of Central Connecticut, updated 08/11
 Co-author

Thesis

Relating dietary lipids and protein to bone health using the National Health and Nutrition Examination Survey 2005-2008.

Kelsey M. Mangano, University of Connecticut, Department of Nutritional Sciences 2012.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings (within the past 5y)

1. McGrail L, Noel SE, Maldonado-Contreras A, **Mangano KM**. The Effect of Daily Yogurt Supplementation on Inflammation and Bone Biomarkers. American Society for Nutrition, Nutrition 2021 annual scientific meeting (Virtual, 2021) poster.
2. Putra C, Bello D, Kelleher SL, Tucker KL, **Mangano KM**. Dietary Intake and Fecal Excretion of Titanium Dioxide in U.S. Adults from Lowell, Massachusetts. American Society for Nutrition, Nutrition 2021 annual scientific meeting (Virtual, 2021) poster.
3. **Mangano KM**, Noel SE, Dawson-Hughes B, Tucker KL. Plasma Vitamin C Sufficiency is Related to Higher Bone Mineral Density: The Boston Puerto Rican Osteoporosis Study. American Society for Bone and Mineral Research Annual Scientific Meeting (Virtual, 2020) poster presentation.
4. **Mangano KM**, Noel SE, Zhang X, Tucker KL. Prospective Relations Between the Dietary Approaches to Stop Hypertension (DASH) and Mediterranean Diet (MeDS) Scores and Self-Report Arthritis Among Puerto Rican Adults. American Society for Nutrition Annual Scientific Meeting (Seattle, WA, 2020) poster presentation.
5. **Mangano KM**, Noel SE, Lai CQ, Ordovas JM, Tucker KL, Laurence D. Parnell. Metabolomic

signatures among men and women with and without osteoporosis: The Boston Puerto Rican Osteoporosis Study. American Society for Bone and Mineral Research Annual Scientific Meeting (Orlando, FL, 2019) poster presentation.

6. Putra C, Rimkus B, ShehajA, Konow N, Gage M, **Mangano KM**. Impact of Dietary Protein Source on Muscle Performance: an In-vivo Behavioral Assay. American Society for Nutrition Annual Scientific Meeting (Baltimore, MD, 2019) *oral presentation*.
7. **Mangano KM**, Noel SE, Lai CQ, Parnell LD, Ordovas JM, Dawson-Hughes B, Tucker KL. Association between diet-derived fruit and vegetable metabolites and sex-specific metabolomics pathways among Puerto Rican Adults with healthy bone phenotypes: The Boston Puerto Rican Osteoporosis Study. American Society for Bone and Mineral Research Annual Scientific Meeting (Montreal, CA, 2018) poster presentation.
8. Putra C, Maldonado AL, Noel SE, **Mangano KM**. Exploratory Study of Microbiota, Diet, and Disease in an Understudied Population of Caribbean Latino Adults. American Society for Nutrition Annual Scientific Meeting (Boston, 2018) poster presentation.
9. **Mangano KM**, Barmashi J, Velez M, Noel SE. Engaging the Latino Community to Increase Awareness of Bone Health in Lawrence, MA. Community Engagement Symposium, University of Massachusetts Worcester, Medical Center (Worcester, MA, 2017) poster presentation.
10. **Mangano KM**, Noel SE, Bigornia SJ, Tucker KL. Dairy Based Desserts are Negatively Associated with Bone Mineral Density among Puerto Rican Adults. American Society of Nutrition, Experimental Biology Scientific Meeting (San Diego, CA, 2016) poster presentation.

Invited Presentations

Local

2016	2 nd Annual <i>Healthy Aging – Living Well Forum</i>	University of Massachusetts, Lowell Center for Gerontology Research and Partnerships
2015	Dietary Protein Food Patterns and their Influence on the Aging Musculoskeletal System	University of Massachusetts, Lowell College of Health Sciences Faculty seminar series

Regional

2021	Diet, metabolome and bone: application from the Boston Puerto Rican Health Study Invited Presentation	American Society for Nutrition Annual Scientific Meeting, Nutrition Working Group
2021	The impact of the COVID-19 pandemic on psychosocial health and other social factors in a longitudinal cohort of Puerto Rican adults living on the US mainland Invited Speaker & Panelist	Center for Puerto Rican Studies, Hunter College
2021	Bone health throughout the lifespan: the role of dairy Keynote Speaker	General Mills, Webinar >800 attendees (clinicians and researchers)
2014	Does your dietary protein food pattern	Institute for Aging Research

	dictate your musculoskeletal future? Invited Presentation	Hebrew SeniorLife Institute for Aging Research, Research in Progress
2013, 2014	Mentors and Mentees: Building the Relationship Invited Presentation	Institute for Aging Research, HSL Beth Israel Medical Center T32 Pre-Doctoral Training Program
2013	Protein intake is protective against grip strength loss in adults: The Framingham Osteoporosis Study Invited Presentation	Institute for Aging Research Harvard Medical School Beth Israel Deaconess Medical Center Advanced Aging Research Training Seminar Series
2012	Polyunsaturated fatty acids and bone health: new results from the National Health and Nutrition Examination Survey 2005-2008 Invited Presentation	Institute for Aging Research Hebrew SeniorLife
2011	Maintenance of Adequate Calcium Intake in Adults: Lessons from the National Health and Nutrition Examination Survey	University of Connecticut Health Center Clinical Research Center Framingham, CT
2010	Calcium Intake in the United States: an Update from the National Health and Nutrition Examination Survey	University of Connecticut Health Center Framingham, CT Glanbia Nutritionals
<u>International</u>		
2021	Bone health throughout the lifespan: the role of dairy Invited speaker	International Dairy Federation International Virtual Symposium
2019	Dairy Foods and Bone Health Invited Speaker	Dairy UK London, United Kingdom
2017	Bone Health: Dairy, Calcium and Beyond Nutrition and Health Symposium Keynote Speaker Invitation	Dairy Farmers of Canada, Edmonton, Toronto, Montreal, Moncton
2017	Dairy products and bone health Webinar	Dairy Farmers of Canada, Montreal, Canada
2016	Dietary protein food sources, dietary patterns and bone health Invited Speaker	The International Dairy Nutrition Symposium, Utrecht University Utrecht, Netherlands
2014	Dietary protein intake is important for bone health in an aging population Invited Speaker	Dairy Council of Northern Ireland Belfast, Ireland

D. INSTRUCTION RELATED ACTIVITY

Report of Regional, National and International Invited Teaching and Presentations

Teaching of Students in Courses
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2018	The Mediterranean Diet and our Health Invited Professor	The International Studies Institute Palazzo Rucellai, Florence Italy
2016 - 2018	Nutrition Assessment, NUTR 6010 Assistant Professor Graduate Students	University of Massachusetts, Lowell (Fall)
2015 – present	Nutrition and Health, NUTR 2100 Assistant Professor Undergraduate Students	University of Massachusetts, Lowell (Fall and Spring)
2015 - present	Vitamins and Minerals, NUTR 4630/5630 Assistant Professor Undergraduate/Graduate Students	University of Massachusetts, Lowell (Fall)
2013-2015	AC511.0, Clinical Epidemiology and Population Health Instructor 1st year medical students	Harvard Medical School
2013-2015	EPI 517, Issues in Frailty Guest Lecturer Graduate students	Harvard School of Public Health
2015	The Mediterranean Diet and our Health Invited Professor	The International Studies Institute Palazzo Rucellai, Florence Italy
2014	757.NUT, Introduction to Clinical Nutrition Instructor 1 st year medical students	Harvard Medical School
2014	The Mediterranean Diet and our Health Invited Professor	The International Studies Institute Palazzo Rucellai, Florence Italy
2013-2014	SAR HS 300 Epidemiology, Undergraduate Guest Lecturer Health Sciences' students	Sargent College of Health and Rehabilitation Sciences, Boston University
2013-2014	SPH EP 758, Nutritional Epidemiology Guest Lecturer Graduate MPH Epidemiology students	Boston University School of Public Health
2012-2013	NUTR 305.0, Graduate Nutritional Guest Lecturer Epidemiology, 2nd year MPH students	Friedman School of Nutrition Science and Policy, Tufts University
2012	The Mediterranean Diet and our Health Teaching Assistant	The International Studies Institute Palazzo Rucellai, Florence Italy
2012-2014	HS 776, Nutritional Epidemiology Guest Lecturer Graduate Nutritional Science students	Sargent College of Health and Rehabilitation Sciences, Boston University
2010	Medical Nutrition Therapy III Interim Instructor Undergraduate students	University of Connecticut (Fall)

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2009, 2010	Scleroderma and Medical Nutrition Therapy First year medical students	University of Connecticut Health Center Medical School
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Clinical Supervisory and Training Responsibilities

2011-2012	Clinical preceptor for dietetic interns	University of Connecticut (Fall/Spring)
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2008-2012	Food Service Management Practicum I Supervisor/preceptor for dietetic interns	University of Connecticut (Fall)
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Laboratory and Other Research Supervisory and Training Responsibilities

2021-present	Primary Thesis Advisor: Nicolas Troisi PhD Student, Pharmaceutical Sciences	University of Massachusetts, Lowell
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2020-present	Primary Thesis Advisor: Lisa Merrill ScD Student, Public Health	University of Massachusetts, Lowell
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2020-present	Primary Thesis Advisor: Lindsay McGrail PhD Candidate, Pharmaceutical Sciences	University of Massachusetts, Lowell
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2017-2021	Primary Thesis Advisor: Christianto Putra PhD Candidate, Pharmaceutical Sciences	University of Massachusetts, Lowell
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Graduated: Senior Scientist III, Roche
Biotechnology

2017-2018	Primary Thesis Advisor: Shweta Batra Master of Public Health Student	University of Massachusetts, Lowell
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2016-2018	Thesis Committee Member: Lyra Clark Primary Advisor: Thomas Wilson Doctoral Candidate, BMEBT	University of Massachusetts, Lowell
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2016	Supervisor of Heather Andrews Senior Research Student	University of Massachusetts, Lowell
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2016	Supervisor of Matthew Sandberg Senior Research Student	University of Massachusetts, Lowell
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2016	Supervisor of Jacqueline Barmashi Senior Research Student	University of Massachusetts, Lowell
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2013	Supervisor of Iris Kim, T32 Pre-Doctoral Research Fellow, Graduate student HSPH	Institute for Aging Research, Harvard Medical School, Beth Israel Deaconess Medical Center
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2010-2012	Supervision of graduate student research training for the NIH funded trial: Supplemental Protein to Offset Osteoporosis Now	University of Connecticut Health Center
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E. SERVICE ACTIVITIES

Service to the Community

Community Boards and Activities

2016- Current	Lawrence Mayor’s Health Task Force Research Initiative Working Group, Member
2016- Current	Lawrence Mayor’s Health Task Force, Member
2016	Lawrence Senior Center, Lawrence MA – Dietitian and Researcher “Bone Health Wellness Fair” – Supervised the development and execution of a 3-day wellness fair provided to over 400 older, Caribbean Latino adults to raise bone health awareness

Media Exposure and Contributions

2021	What is protein? Benefits, sources, deficiency.	Feature Contributor	Business Insider
2020	Considering adding a meal-kit delivery service to your pandemic routine? Here’s what to look for	Media speaker	Boston, 25 Television News Network
2019	To Beef, or Not To Beef? The Rise of Meatless Burgers	Media speaker	NPR – OnPoint Radio
2018	Nutrition Expert: A Healthy Gut = A Healthy Body	Feature Contributor	Your Tewksbury Today!
2018	Nutrition Expert: A Healthy Gut = A Healthy Body	Feature Contributor	Your Dracut Today!
2017	Beef consumption a cut above this year	Feature Contributor	Lowell Sun Newspaper
2017	Here’s What You Need to Know About Himalayan Pink Salt	Media speaker	Reader’s Digest
2017	Healthfulness of the Korean Diet	Media speaker	Merrimack Valley Magazine
2017	Eating healthy for Thanksgiving	Media speaker	WCAP-AM, Merrimack Valley Radio
2013	Using the food plate for healthy aging	Educator	Hebrew SeniorLife, TEACH Study, Orchard Cove, Canton MA –Dietitian/Scientist
2011	Nutritional Supplements- Which Ones Should You Consider Adding to Your Diet?	Media speaker	NBC30 - Connecticut News
2010	Calcium and bone health: Are you meeting your	Co-author	Natural Nutmeg Connecticut

2010	needs? Dietary Calcium and Protein and Bones - A New View	Co-author	Home and Garden News University of Connecticut
2010	Inside a Dietitians Cupboard	Media speake	NBC30 - Connecticut News

University of Massachusetts, Lowell, Committee Activities
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Year(s)	Level	Program	Role
2021	Department	Faculty Search Committee, TT Pharmaceutical Sciences	Member
2015-2016	Department	Faculty Search Committee, TT Nutritional Epidemiology	Member
2015-2016	University	Junior Faculty Mentoring Committee	Member
2016-2017	University	Faculty Search Committee Member, TT Biology Department	Member
2016-2017	College	Humanism in Interprofessional Education Fellowship, UMass Medical School, Worcester, MA	Member
2016-2018	College	CHS Undergraduate Committee	Member
2017-2018	University	Provost Promotion and Tenure Guidelines Committee	Member
2018-2019	College	ScD Population Health Development Committee	Member
2016-Present	Department	Nutritional Sciences Program Meetings	Chair
2016-Present	Department	Leadership Committee, Department of Biomedical and Nutritional Sciences	Member

University of Massachusetts, Lowell, Leadership Activities

2016-Present Nutrition Program Director, Department of Nutrition and Biomedical Sciences