

Curriculum Vitae – Dariush Mozaffarian, MD, DrPH

*Dean, Jean Mayer Professor of Nutrition, Friedman School of Nutrition and Science Policy
Professor of Medicine, Tufts University School of Medicine
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Dariush Mozaffarian is a cardiologist, Dean, and Jean Mayer Professor at the Tufts Friedman School of Nutrition Science and Policy, and Professor of Medicine at Tufts Medical School. Dr. Mozaffarian has authored more than 400 scientific publications on dietary priorities for obesity, diabetes, and cardiovascular diseases, and on evidence-based policy approaches and innovations to reduce these burdens in the US and globally. He has served in numerous advisory roles including for the US and Canadian governments, American Heart Association, World Health Organization, and United Nations. His work has been featured in a wide array of media outlets; and Thomson Reuters has named him as one of the World's Most Influential Scientific Minds.

Dr. Mozaffarian has brought together several national coalitions to address major scientific and policy issues around food, nutrition, and agriculture, such as the [50th Anniversary of the White House Conference on Food, Nutrition, and Health](#); Honoring the Past, Taking Actions for our Future; the white paper and coalition on [Strengthening Federal Nutrition Research](#); and diverse advocacy groups, nonprofits, and businesses in the [Food & Nutrition Innovation Council](#). He has worked closely with Congress and other stakeholders to help advance bipartisan priorities around advancing science and innovation, improving nutrition security, reducing diet-related healthcare expenditures, and addressing corresponding racial, income, and geographic-related inequities.

Dr. Mozaffarian received a BS in biological sciences at Stanford (Phi Beta Kappa), MD at Columbia (Alpha Omega Alpha), residency training in internal medicine at Stanford, fellowship training in cardiovascular medicine at the University of Washington; an MPH from the University of Washington; and a Doctorate in Public Health from Harvard. Before being appointed as Dean at Tufts in 2014, Dr. Mozaffarian was at Harvard Medical School and Harvard School of Public Health for a decade and clinically active in cardiology at Brigham and Women's Hospital. He is married, has three children, and actively trains as a Third Degree Black Belt in Taekwondo.

As one of the top nutrition institutions in the world, the Friedman School's mission is to produce trusted science, future leaders, and real-world impact. The Friedman School pursues research, education, and public impact across five Divisions, the Feinstein International Center, the Food & Nutrition Innovation Institute, and multiple academic programs. Areas of focus range from cell to society, including: molecular nutrition, human metabolism and clinical trials, nutrition data science, behavior change, business innovation and entrepreneurship, community and organizational interventions, communication and media, agriculture, food systems, and sustainability, hunger and food security, humanitarian crisis, and food policy and economics. Friedman School graduates are leaders in academia, US and international government, policy, advocacy, industry, public health, community service, and entrepreneurship. The School's unique breadth, engagement with the world, and entrepreneurial spirit make it a leading institution for nutrition education, research, and public impact.

EDUCATION

- 1991 BS (Biologic Sciences), Stanford University
 With Distinction, with Honors, Phi Beta Kappa
- 1995 MD, Columbia University College of Physicians & Surgeons
 Alpha Omega Alpha
- 2003 MPH, University of Washington School of Public Health.
 Distinguished Master's Student Award
- 2006 DrPH (Epidemiology), Harvard School of Public Health
 Distinguished Performance, doctoral exam

CLINICAL TRAINING

- 1995-1998 Internship and Residency, Internal Medicine, Stanford University

- 1998-2002 Fellowship, Cardiovascular Medicine, University of Washington
- 2000-2003 Fellowship, Health Services, Puget Sound Veterans Affairs Health Care System, Seattle

FACULTY ACADEMIC APPOINTMENTS

- 2003-2006 Instructor, Channing Laboratory, Department of Internal Medicine, Harvard Medical School
- 2004-2007 Adjunct Instructor, Department of Public Health and Family Medicine, Tufts School of Medicine
- 2006-2007 Instructor, Department of Epidemiology, Harvard School of Public Health
- 2006-2010 Assistant Professor, Division of Cardiovascular Medicine, Department of Internal Medicine, Harvard Medical School
- 2007-2010 Assistant Professor, Department of Epidemiology, Harvard School of Public Health
- 2010-2014 Associate Professor, Division of Cardiovascular Medicine, Department of Internal Medicine, Harvard Medical School
- 2010-2014 Associate Professor, Department of Epidemiology, Harvard School of Public Health
- 2014- Dean, Friedman School of Nutrition Science & Policy, Tufts University
- 2014- Professor of Nutrition, Friedman School of Nutrition Science & Policy, Tufts University
- 2014- Adjunct Scientist, Nutritional Epidemiology Laboratory, Jean Mayer USDA Human Nutrition Center on Aging at Tufts University
- 2015- Jean Mayer Professor, Friedman School of Nutrition Science & Policy, Tufts University
- 2016- Professor of Medicine, Division of Cardiology, Department of Medicine, Tufts University School of Medicine

HONORS AND AWARDS

- 1987 Valedictorian, Mercer Island High School. Graduating first in class of ~400 seniors.
- 1991 Phi Beta Kappa, Stanford University. For academic excellence.
- 1992 Rhodes Scholar Finalist, State of Washington, Rhodes Scholar Program. For academic excellence.
- 1995 Alpha Omega Alpha, Columbia U. College of Physicians & Surgeons. For academic excellence.
- 1995 Marie Necessian Memorial Award, Columbia U. College of Physicians & Surgeons. Top graduating medical student showing exceptional care and empathy for patients.
- 1998 Fellow, American College of Cardiology. For achievement in academics.
- 1998-2005 Recipient, Clinical Loan Repayment Program Award, National Institutes of Health. Award to retain highly qualified clinical investigators.
- 2001 Finalist, Jeremiah Stamler Award for New Investigators, American Heart Association. Award for excellence in original research.
- 2002 Nutrition Advisory Panel New Investigator Award, American Heart Association. Award for excellence in original research.
- 2002 Fellow, American Heart Association. For achievement in academics.
- 2003 Distinguished Master's Degree Student Award, University of Washington School of Public Health. For academic and research excellence.
- 2005 Distinguished performance, doctoral written exam, Harvard School of Public Health. For academic excellence in the Epidemiology Doctoral Examination.

- 2007 Searle Scholar Award, The Searle Funds at The Chicago Community Trust. For research excellence.
- 2007-2014 Commendation for excellence in teaching, received every year, Committee on Educational Policy, HSPH. High overall rating by students for teaching, Cardiovascular Epidemiology course.
- 2008 Black Belt, First Degree, World Taekwondo Federation, Ik Jo Kang Tae Kwon Do and Hapkido School, World Taekwondo Federation. For achievement in martial arts.
- 2008-2014 Commendation for excellence in teaching, received every year, Committee on Educational Policy, HSPH. High overall rating by students for teaching, Cardiovascular Epidemiology II course.
- 2009 Best Paper among All Open Access Journals in the Past Five Years, PLOS Medicine Editorial Board (PLOS Medicine 2009;6:e1000058).
- 2010 Outstanding Mentor Award Nomination, Harvard School of Public Health. For excellence in mentoring.
- 2011 PLOS Medicine Top 20 Research Articles Published in 2010 (PLOS Medicine 2010; 7:e1000252).
- 2013 The Nutrition Society Paper of the Month, The Nutrition Society, UK (Public Health Nutrition 2013;16:2255-64.).
- 2013 Top (#1) rated favorite session by attendees at EB 2013 (14,680 total attendees), Experimental Biology (EB) 2013, Invited plenary speaker at the top-rated session of the meeting: Obesity, Metabolic Complications and Type 2 Diabetes: Beyond Body Fat.
- 2013 Outstanding Mentor Award Nomination, Harvard School of Public Health. For excellence in mentoring.
- 2013 Black Belt, First Degree, International Taekwondo Federation, Jae Hun Kim Tae Kwon Do Institute, International Taekwondo Federation. For achievement in martial arts.
- 2014 Highly Cited Researcher, Thomson Reuters. Ranked among the top 1% most cited researchers in clinical medicine.
- 2014 Black Belt, Second Degree, International Taekwondo Federation, Jae Hun Kim Tae Kwon Do Institute, International Taekwondo Federation. For achievement in martial arts.
- 2014-present Highly Cited Researchers, Clarivate Analytics. Researchers whose citation records position them in the top 1% by citations for their field and year.
- 2015 Top Ten Paper in 2014, American Heart Association Lifestyle and Cardiometabolic Health Council (N Engl J Med. 2014; 371: 624-34).
- 2015 The Rank Lecture, The Nutrition Society Conference, UK, The Rank Prize Funds, The Nutrition Society Conference, UK. For excellence, innovation, and dedication and outstanding contribution in human nutrition.
- 2015 Jean Mayer Chair, Tufts University. For academic excellence; endowed Professorship honoring past Tufts President Jean Mayer.
- 2016 Pathfinder Award, Mercer Island School District. For alumni achievement and impact.
- 2016 Bradford Hill Lecture, University of Cambridge, UK. Keynote Speaker.
- 2016 The Lancet Lecture, The Lancet: At the Limits, Royal College of Physicians, London, UK. Keynote Speaker.
- 2016 World's Most Influential Scientific Minds, Thomson Reuters. Ranked among the top 1% most cited researchers in clinical medicine.
- 2017 National Institutes of Health Research Highlights, Promising Medical Advances (JAMA 2017;317:912-924).

- 2017 Chanchlani Global Health Award, McMaster University, Canada. For scholarly contributions to global health.
- 2017 JAMA Top 3 Most Talked About Articles of the Year (JAMA 2017;317:912-924).
- 2018 Presidential Symposium Speaker, American Society of Nutrition 2018, Boston, MA.
- 2018 Black Belt, Third Degree, International Taekwondo Federation, Jae Hun Kim Tae Kwon Do Institute, International Taekwondo Federation. For achievement in martial arts.
- 2018 Walker Prize, Museum of Science, Boston. For achievement in meritorious published scientific investigation, discovery, and superb science communication in any scientific field.
- 2019 Michael G. Wohl Memorial Lecture, Temple University, Philadelphia, PA. Speaker.
- 2019 Kevin Graham Lecture, Minneapolis Heart Institute, Minneapolis, MN. Speaker.

CLINICAL APPOINTMENTS

- 2003-2007 Research Associate Physician, Internal Medicine, Brigham and Women’s Hospital, Boston, MA
- 2004-2009 Staff Physician, Internal Medicine, Cardiology, West Roxbury VA Medical Center, West Roxbury, MA
- 2007-2010 Associate Physician, Internal Medicine, Cardiovascular Medicine, Brigham and Women’s Hospital, Boston, MA
- 2010-2014 Physician, Internal Medicine, Cardiovascular Medicine, Brigham and Women’s Hospital, Boston, MA
- 2016- Professor of Medicine, Division of Cardiology, Department of Medicine, Tufts University School of Medicine, Boston, MA

PRIOR ACADEMIC LEADERSHIP

- 2004-2006 Course Director, Cardiovascular Epidemiology, MPH 220, Tufts University School of Medicine
- 2007-2014 Course Director, Cardiovascular Epidemiology, EPI 223, Harvard School of Public Health
- 2007-2014 Co-Founder and Co-Director, Harvard Program in Cardiovascular Epidemiology, Harvard School of Public Health
- 2008-2014 Member, Admissions Review Committee, Cardiovascular Epidemiology, Department of Epidemiology, Harvard School of Public Health
- 2008-2014 Course Founder and Director, Cardiovascular Epidemiology II, EPI 245, Harvard School of Public Health
- 2009-2014 Co-Founder and Co-Director, NHLBI T32 National Research Service Award (NRSA) CVD Epi Training Program in Behavior, the Environment, and Global Health7, Harvard School of Public Health
- 2010-2014 Member, Steering Committee, Bernard Lown Cardiovascular Scholars Program, Harvard School of Public Health
- 2011-2014 Director, Bunge Research Fellowship in Nutrition and Health, Harvard School of Public Health
- 2012-2014 US Director, D43 Fogarty International Research Training Program, Promoting Capacity Building in Chronic Diseases Research in South America, Harvard School of Public Health
- 2012-2014 Member, Harvard Faculty Campaign Planning Committee, Harvard School of Public Health
- 2013-2014 Course Co-Founder and Co-Director, Global Cardiovascular and Metabolic Health: Critical Issues in Policy and Translation, Nut 214, Harvard School of Public Health

2013-2014 Member, Steering Committee, Flagship Initiative on Comparative Effectiveness Research (CER), Harvard School of Public Health

ADVISORY AND SERVICE

National Advisory Roles and Service

2008-2009 Methylmercury Risk Assessment, Review Group, U.S. Food and Drug Administration / Center for Food Safety and Applied Nutrition

2008-2012 U.S. Department of Agriculture Seafood Education Project Advisory Group, Seafood Education Project Advisory Group, U.S. Department of Agriculture

2008-2014 Diabetes Working Group, The Cardiovascular Health Study (CHS)

2008-2014 Biosample Research Advisory Group, The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study

2009-2012 Catfish Risk Assessment Review Group, U.S. Department of Agriculture

2010-2012 PINNACLE Registry Research & Publications Subcommittee, American College of Cardiology

2010-present Scientific Advisory Committee, Oldways Mediterranean Foods Alliance

2011-2012 Healthy Agriculture & Non-Communicable Disease Advisory Group, The Chicago Council on Global Affairs

2012-2014 Scientific Advisory Board, Unilever North America

2013 Reviewer, Dietary Guidelines, American Diabetes Association

2013 NHLBI-ODS Working Group on Designing Clinical Studies to Evaluate the Role of Nutrition and Diet in Heart Failure Management, National Heart, Lung, and Blood Institute and NIH Office of Dietary Supplements

2014-present Scientific Advisory Board, Ingredients for Education, the nonprofit creator of KickenNutrition.TV

2015-2021 Steering Committee, Inosine phase 3 trial for early Parkinson's disease, Randomized controlled trial, National Institute of Neurologic Disorders and Stroke (NINDS)

2015-present Scientific Advisory Board, Elysium Health

2017-2019 Scientific Advisory Board, Omada Health

2018-present Scientific Advisory Board, DayTwo

2018-present Independent Advisory Committee Member for the CVD Epidemiology Training Program, Wake Forest University Health Sciences

2019-present Scientific Advisory Board, Brightseed

2019-present Scientific Advisory Board, Filtricine

2020-present Scientific Advisory Board, HumanCo

2020-present Scientific Advisory Board, Tiny Organics

2020-present Scientific Advisory Board, Foodome

2020-present Scientific Advisory Board, Calibrate

2020-present Scientific Advisory Board, January AI

2020-present Scientific Advisory Board, Beren Therapeutics

2020-present Chair, Data and Safety Monitoring Board (DSMB), The Vitamin D for COVID-19 (VIVID) Trial

American Heart Association (AHA) Advisory Roles and Service

- 2005-2008 Spring Program Committee, AHA Council on Epidemiology and Prevention
- 2006-2008 Budget and Fund Raising Committee, AHA Council on Epidemiology and Prevention
- 2006-2010 Abstract Selection Committee, AHA Council on Epidemiology and Prevention
- 2006-2010 AHA Trans Fat Initiative Committee
- 2006-2010 Leadership Committee, AHA Council on Epidemiology and Prevention
- 2007-2009 Clinical Affairs Committee, AHA Council on Nutrition, Physical Activity, and Metabolism
- 2007-2011 AHA Statistics Committee
- 2008-2009 AHA 2020 Strategic Impact Goals Task Force
- 2008-2010 Chair, Budget and Fund Raising Committee, AHA Council on Epidemiology and Prevention
- 2008-2010 AHA Nutrition Committee
- 2008-2013 Abstract Selection Committee, AHA Council on Nutrition, Physical Activity, and Metabolism
- 2009-2010 Leadership Cabinet, AHA Council on Epidemiology and Prevention
- 2010-2013 Fall Program Committee, AHA Council on Epidemiology and Prevention
- 2010-2014 AHA Behavior Committee
- 2011-2013 Vice-Chair, AHA Statistics Committee
- 2012-2015 AHA Sodium Reduction Advisory Task Force
- 2013-2015 Chair, AHA Statistics Committee
- 2013-2015 Leadership Committee, Council on Epidemiology and Prevention
- 2013-2015 Leadership Cabinet, AHA Council on Epidemiology and Prevention
- 2013-2017 Committee for Scientific Sessions Planning (CSSP)
- 2013-2017 AHA Mission Metrics Task Force
- 2015-2017 AHA Healthier Diet Business Management Committee
- 2015-2018 AHA Mission Metrics Science Subcommittee
- 2017-2020 AHA 2030 Goal Setting Metrics Task Force
- 2017-present AHA 2020 Goals Metrics Committee

International Advisory Roles and Service

- 2007-2009 Task Force on Trans Fat Free Americas, Pan American Health Organization (PAHO), World Health Organization
- 2007-2013 Chair, Nutrition and Chronic Diseases Expert Group (NutriCoDE), Global Burden of Diseases, Injuries, and Risk Factors (GBD) Study
- 2007-2014 Expert Advisory Committee, Canadian Health Measures Survey (Canada's NHANES)
- 2008-2010 Expert Consultation on Fats and Fatty Acids in Human Nutrition, Food and Agriculture Organization of the United Nations
- 2009-2014 Nutrition Working Group, International CHARGE Genome-Wide Association Consortium

- 2009-2014 Co-Chair, Steering Committee, international OPERA trial, Omega-3 Fatty Acids for Prevention of Post-Operative Atrial Fibrillation (OPERA) randomized trial
- 2010-2012 Expert Consultation on Risks and Benefits of Fish Consumption, Food and Agriculture Organization of the United Nations / World Health Organization
- 2010-2012 Nutrition Guidance Expert Advisory Group, World Health Organization
- 2010-present Co-Chair, Fatty Acid Working Group, International CHARGE Genome-Wide Association Consortium
- 2013-2014 Mission Advisory Panel (MAP) on Sugar, Heart and Stroke Foundation, Canada
- 2013-2018 Scientific Advisory Board, Mexican Teachers' Cohort (ESMaestras), the largest prospective cohort study in Latin-America (>100,00 women)
- 2013-present Executive Committee, international STRENGTH trial, Statin Residual Risk Reduction with Epanova in High Cardiovascular Patients with Hypertriglyceridemia (STRENGTH) randomized trial, Astra Zeneca
- 2014-2015 Expert Consultation on Nutrient Profiling in the Americas, Pan American Health Organization (PAHO), World Health Organization
- 2015-present Chair, Cohorts for Heart and Aging Research in Genomic Epidemiology Fatty Acids & Outcomes Research Consortium (CHARGE FORCE)
- 2016-present Scientific Advisor, PERSIAN Cohort (<http://persiancohort.com>)
- 2017-present Principal Investigator, CaPre Phase 3 Studies, Acasti Pharma
- 2020-present Chair, Enabling Environment Working Group, World Economic Forum
- 2020-present Advisor, 2021 World Food Systems Summit, United Nations

GRANT REVIEW

- 2008 Reviewer, Endowed Chair Peer-Review Committee, Heart and Stroke Foundation of Ontario, Canada
- 2009 Reviewer, Challenge Grant (ARRA) Special Emphasis Panel, Stage 1 Scientific Review Group, National Heart, Lung, and Blood Institute, National Institutes of Health
- 2010 Reviewer, NIH Director's Opportunity for Research (RC4) Special Emphasis Panel, Stage 1 Scientific Review Group, National Institutes of Health
- 2012 Reviewer, Superfund Basic Research Program (P42) Scientific Review Group, National Institute of Environmental Health Sciences, National Institutes of Health
- 2012 Reviewer, Diabetes Research Center (DRC) Pilot and Feasibility Grant, Washington University, St. Louis, MO
- 2012 Reviewer, Effective Health Care reports, Evidence-based Practice Center (EPC) Program, Agency for Healthcare Research and Quality (AHRQ)
- 2013 Reviewer, Collaborative Research & Innovation Opportunities Program, Programs of Alberta Innovates Health Solutions (AIHS), Canada
- 2013 Reviewer, PA 12-265 Ancillary Studies to Major Ongoing Clinical Research Studies (R01), National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health
- 2013 Reviewer, Endowed Chair Peer-Review Committee, Heart and Stroke Foundation of Ontario, Canada
- 2013 Reviewer, Strategic initiatives at the Institute of Marine Research and National Institute of

- Nutrition and Seafood Research, Research Council of Norway
- 2013 Reviewer, American Diabetes Association Position Paper on Nutrition Recommendations for the Management of Diabetes, American Diabetes Association
- 2013 Reviewer, 2013/10 ZAG1 ZIJ-8 (02) – Heart Failure and Obesity Program Project Applications, National Institute on Aging, National Institutes of Health
- 2015 Reviewer, 2015/08 ZHL1 CCT-K (C1) 1, NHLBI Loan Repayment Program, National Heart, Lung, and Blood Institute, National Institutes of Health
- 2017 Reviewer, 2017 Laura and John Arnold Foundation grant applications

EDITORIAL ACTIVITIES

- 2011-2013 Vice-Chair, AHA Statistical Update - Heart Disease and Stroke Statistics
- 2013-2015 Chair, AHA Statistical Update - Heart Disease and Stroke Statistics
- 2015- Editor-in-Chief, Tufts Health & Nutrition Letter

Editorial boards:

Global Heart, the Journal of the World Heart Federation
 BMC Medicine
 Tufts Nutrition Magazine

Ad hoc reviewer (selected):

The New England Journal of Medicine
 JAMA
 The Lancet
 BMJ
 Circulation
 Arteriosclerosis, Thrombosis and Vascular Biology
 Journal of the American College of Cardiology
 Annals of Internal Medicine
 JAMA Internal Medicine
 PLOS Medicine
 PLOS One
 American Journal of Clinical Nutrition
 American Journal of Epidemiology
 American Journal of Preventive Medicine
 BMC Medicine
 European Journal of Clinical Nutrition
 British Journal of Nutrition
 Hypertension
 Lipids

RESEARCH FUNDING

CURRENT

Cost-Effectiveness of Health System and State-Level Strategies to Improve Diet and Reduce Cardiometabolic Diseases

2020-2024 PI NIH (R01HL115189) \$3,021,608

Major aims are 1) to estimate the health impacts, costs, cost-effectiveness, and effects on disparities of specific health system strategies to improve diet and reduce CMD in the US, 2) to estimate the health impacts, costs, cost-effectiveness, and effects on disparities of specific state-level policies to improve diet and reduce CMD in the US,

3) to assess the administrative and legal challenges and feasibility of specific health system and state strategies to improve diet and reduce CMD in the US, and 4) to disseminate our top findings from the prior period, related grants, and this new work to relevant stakeholders in key legislative, agency, and advocacy positions.

TMAO and Initiation, Extent, and Clinical Onset of Atherosclerotic CVD

2017-2021 PI NIH/NHLBI (1R01 HL135920) \$4,651,887
Major aims are to investigate the independent relationships of serial measures of plasma TMAO with longitudinal onset and progression of subclinical CVD, with incident CVD events, and with total mortality.

Global Dietary Database 2.0

2017-2021 PI Bill & Melinda Gates Foundation \$2,864,327
Major aims are to systematically update, expand, and improve data harmonization on global dietary intakes database; broadly disseminate the findings through a new online platform, research collaborations, and strategic partnerships; and perform new analyses of maternal and child diet diversity/quality in relation to key health outcomes.

Trilogy 1 and 2: Phase 3 Study of CaPre in Lowering Very High Triglycerides

2017-2020 PI Acasti Pharma Inc.
Major aims are to evaluate the efficacy of CaPre, an investigational drug containing a naturally-derived krill oil mixture of omega-3 as both free fatty acids and bound to phospholipids, in two parallel clinical trials. The TRILOGY (Phase 3 Study of CaPre in Lowering Very High Triglycerides) Phase III program was designed to compare the efficacy and safety of CaPre 4 g daily vs. placebo in lowering fasting triglyceride levels and other lipid parameters in patients with severe hypertriglyceridemia (fasting triglycerides 500-1,500 mg/dl).

PAST

Planning Grant on the Implications of a New Coordinated Federal Nutrition Research Effort and Authority

2019-2020 PI The Rockefeller Foundation (2019 FOD 011) \$351,361
This is a one-year planning grant to lay crucial groundwork for the Friedman School of Nutrition Science and Policy to review and bring together actionable science, policy knowledge, political strategy, education, and evidence on creating a new coordinated federal nutrition research effort and authority.

Economic Analyses of Policy Strategies to Improve Diet and Reduce CVD

2016-2020 Co-I NHLBI (R01 HL130735; PI-Micha)
Major aims are to evaluate the (1) cost, (2) cost-effectiveness and effects on disparities, and (3) political and legal feasibility of implementing specific evidence-based policy strategies to improve diet and reduce cardiovascular disease in the US.

Comparative and Cost Effectiveness of Population Strategies to Improve Diet and Reduce Cancer

2016-2020 Co-I NIH (5R01MD011501; PI-Zhang)
The proposed study will evaluate the cost and effectiveness of implementing population-based preventative strategies to improve diet and reduce cancer in the US population. Results will directly inform evidence-based priorities for policies, planning prevention strategies, and large implementation trials to reduce cancer burden in the US population.

Resolve to Save Lives Cardiovascular Health Initiative

2018-2019 Subcontract PI (PI-Appel) \$59,826
Supported by Tom Frieden's Resolve to Save Lives project, major aims are to quantify the benefits and potential harms of a nationwide salt substitute intervention to reduce mortality and morbidity from blood-pressure related diseases in China, including effects on CVD mortality and morbidity (incidence, disability-adjusted life-years) and on hyperkalemia-related mortality and morbidity.

Plasma Sphingolipids and Risk of Cardiovascular Disease

2016-2019 Subcontract PI (5R01 HL128575; PI-Lemaitre) \$78,092

The aim of this study is to determine the associations of new modifiable lipids ("sphingolipids") with the risks of heart failure, atrial fibrillation, sudden cardiac death and total mortality. The study will inform future novel prevention efforts to fight heart failure and arrhythmias, diseases with increasing prevalence and high burdens of morbidity and mortality in aging populations.

Feeding America's Bravest: Mediterranean Diet-Based Interventions to Change Firefighters' Eating Habits and Improve Cardiovascular Risk Profiles

2015-2018 Co-I FEMA (PI-Kales)

Major aims are to develop and test the effectiveness and cost-effectiveness of a Mediterranean Diet Nutritional Intervention (MDNI) on eating habits, weight change, and cardiovascular risk profiles in a cluster-randomized controlled trial among US firefighters.

Circulating Dietary & Metabolic Fatty Acids, Major CVD, & Healthy Aging (Diversity Supplement)

2015-2018 PI NIH/NHLBI (1R01 HL085710) \$372,928

Research Supplement to Promote Diversity in Health-related Research. Major aims are to support novel additional analyses in fatty acids and health and the career development of a diverse junior investigator, Dr. Marcia Otto, Assistant Professor, UT Southwestern.

Circulating Dietary & Metabolic Fatty Acids, Major CVD Outcomes, & Healthy Aging

2013-2018 PI NIH/NHLBI (2R01 HL085710) \$2,390,364

Major aims are to investigate associations of serial levels, and changes, of key circulating fatty acid biomarkers with incident CVD, total mortality, and healthy aging late in life.

CVD Epidemiology Training Program in Behavior, the Environment and Global Health

2014-2019 co-Founder, co-PI NIH/NHLBI (2 T32 HL098048) \$2,982,137

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32). Major aims are to train pre-doctoral students and post-doctoral fellows to create a new generation of highly skilled investigators to study the impact of behavioral and environmental risk factors and policy on cardiometabolic diseases globally. Grant transferred to Eric Rimm in 2014, following my move to Tufts.

Comparative-Effectiveness of Population Strategies to Improve Diet and Reduce CVD (Administrative Supplement)

2016-2017 PI NIH/NHLBI (3R01 HL115189-05S1) \$77,286

Research Supplement to Promote Diversity in Health-related Research. The aims of the grant are to evaluate the comparative-effectiveness of evidenced-based interventions to improve diet, including among high-risk subgroups and to focus on the evaluation of the comparative-effectiveness of population diet interventions to reduce CVD, other chronic diseases, mortality, and DALYs in the US, including impact on disparities.

Comparative-Effectiveness of Population Strategies to Improve Diet and Reduce CVD

2013-2017 PI NIH/NHLBI (1R01 HL115189) \$2,887,770

Major aims are to evaluate the comparative-effectiveness of evidence-based population interventions to improve diet globally, and their projected impact on CVD, other chronic diseases, mortality, and DALYs in the US.

Comparative-Effectiveness of Population Strategies to Improve Diet

2013-2014 PI The Sackler Institute for Nutrition Science, NYAS \$50,000

Major aims are to quantify the comparative-effectiveness of food regulation, food pricing, and schools and workplace programs to improve dietary habits.

Global Dietary Database: Global Dietary Intakes, Diseases, and Policies in Children, Women, and Men

2013-2016 PI Bill & Melinda Gates Foundation \$2,589,401
Major aims are to systematically update and expand data on global dietary intakes in adults, youth (from infancy to adolescence) and pregnancy/nursing, including by rural/urban and income status; to evaluate and quantify the health impact of specific dietary factors throughout the lifespan; and to characterize and compare cost-effectiveness of specific diet policy interventions to reduce the identified burdens.

Quantifying human vulnerability to changes in crop nutrients resulting from rising concentrations of atmospheric carbon dioxide

2013-2015 Co-I Bill & Melinda Gates Foundation (PI-Myers)
To quantify accurate estimates of the CO₂ effect on the nutrient intake of different population groups, by age and sex, in different countries across the globe; and evaluate nutritional impacts of loss of pollinators and ways in which ocean acidification (from CO₂) are likely to alter human nutrient and dietary intakes.

Bunge Fellowship in Nutrition and Health

2012-2016 PI Bunge Fellowship in Nutrition and Health \$400,000
Major aims are to create and support a postdoctoral training fellowship, based on an unrestricted gift from Bunge Global Innovation, LLC, to support the training of a young scientist in investigation of nutrition, human health promotion, and chronic disease prevention.

Global Dietary Habits Among Women, Price and Income Elasticities, and Validity of Food Balance Sheets

2012-2014 PI Bill & Melinda Gates Foundation \$763,865
Major aims are to systematically evaluate dietary quality in women, including by age and time, in all nations around the globe; to determine using nationally representative data the price and income elasticities of dietary intakes across regions, countries, and time, and differences by age and sex; and to quantify the validity of FAO food balance sheets, including evaluation of heterogeneity.

Promoting Capacity Building in Chronic Diseases Research in South America

2012-2017 US PI NIH/Fogarty International Research Training Award (D43 TW009126) \$1,020,463
D43 program for collaborative research training between Harvard and IECS in Argentina to strengthen research capacity in Argentina to conduct research on non-communicable diseases and disorders across the lifespan. Grant transferred to Goodarz Danaei in 2014, following my move to Tufts.

Endogenous Anti-Inflammatory Lipid Mediators, Fish Oil and Post-Operative Atrial Fibrillation

2011-2013 PI NIH/NHLBI (R21 HL109924) \$432,497
Major aims are to evaluate how a novel class of potent anti-inflammatory molecules derived from omega-3's, MEFAs, relate to pro-inflammatory biomarkers and to risk of post-op atrial fibrillation, and whether intra-operative plasma MEFAs are modified by fish oil treatment.

Determinants and Cardiovascular Consequences of Diabetes in Older Adults

2009-2013 Co-I NIH/NHLBI (R01 HL094555; PI-Djousse)
Major aims are to evaluate pathways in development and cardiovascular prognosis of diabetes in older adults, including related to adipocyte function, calcium metabolism, advanced glycation endproducts, and fibrosis. I assisted in development of aims, research design, and methods, particularly on how lifestyle factors may affect these pathways and outcomes, and collaborated on analyses and manuscripts.

Omega-3 Fatty Acids for Prevention of Post-Operative Atrial Fibrillation (OPERA)

2009-2013 co-PI GSK, Sigma Tau, Pronova \$5,603,395
This, investigator-initiated, international, multi-center, phase 3 randomized controlled clinical trial tested whether peri-operative fish oil consumption reduces the occurrence of atrial fibrillation following cardiac surgery and also investigated biologic, genetic, and electrophysiologic pathways of effects.

Inflammation/Oxidation, Omega-3's, and Post-Op Atrial Fibrillation and Cognitive Decline

2009-2012 PI NIH/NHLBI (RC2 HL101816 – ARRA) \$4,397,109
Major aims are to assess key circulating and tissue biomarkers to investigate novel mechanistic pathways whereby

post-op cognitive decline and fibrillation may each occur and test whether fish oil decreases these post-op complications by preventing oxidative stress and subsequent inflammation.

CVD Epidemiology Training Program in Behavior, the Environment and Global Health

2009-2014 co-Founder, co-PI NIH/NHLBI (T32 HL098048) \$910,901

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32).

Major aims of this new training program are to train pre-doctoral students and post-doctoral fellows to create a new generation of highly skilled investigators to study the impact of behavioral and environmental risk factors and policy on cardiometabolic diseases globally.

Mercury, Selenium and Risk of Cardiovascular Disease in Women and Men – supplement

2009-2012 PI NIH/NIEHS (3R01 ES014433-03S1 - ARRA) \$1,230,625

Major aims are to prospectively investigate the independent effects of omega-3 fatty acids, mercury, and selenium, each assessed using objective biomarkers, with risk of both coronary heart disease and stroke in men and women; and use this data to develop an evidence-based risk assessment framework to derive quantitative risk-benefit estimates for cardiovascular effects of consuming specific fish species.

Fatty Acids and Major Cardiovascular Outcomes – supplement

2009-2012 PI NIH/NHLBI (3R01 HL085710-03S1 – ARRA) \$283,792

Major aims are to support a postdoctoral fellow with research funds for biological analyses and cutting-edge fatty acid “pattern” investigation to extend advanced diet pattern techniques to the analysis of circulating fatty acids to identify novel fatty acids inter-relationships and diet-metabolic phenotypes.

Tanzania Population Health Implementation and Training (PHIT) Partnerships Planning Grant

2008-2009 Consultant Doris Duke Charitable Foundation

Major aims are to develop plans for partnerships to implement and evaluate delivery of integrated primary healthcare in developing world regions. I served as the chief US consultant for the development of the intervention programs to reduce chronic diseases in these regions.

Human Genetic Variation In Fatty Acid Metabolism And Sudden Cardiac Arrest

2008-2012 Co-I NIH/NHLBI (R01 HL091244-01; PI-Lemaitre)

Major aims are to investigate associations between human genetic variation in fatty acid metabolism and the risk of sudden cardiac arrest. My role is to collaborate on analyses and manuscripts related to the primary aims.

Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE)

2007-2009 PI Global Burden of Diseases, Injuries, and Risk Factors (GBD) \$65,000

Major aims are to quantitate the global impact, including exposure and relative risk distributions, of major nutritional risks for cardiovascular diseases and cancers in 21 developed and developing world regions.

Dietary Fatty Acids, Congestive Heart Failure, and Atrial Fibrillation

2007-2011 PI The Searle Funds at The Chicago Community Trust \$240,000

Searle Scholar Award. Major aims are to elucidate the intersection of effects of dietary and tissue levels of omega-3 and trans fatty acids and genetic variation on risk of heart failure and atrial fibrillation.

Mercury, Selenium, and Risk of Cardiovascular Disease in Women and Men

2007-2012 PI NIH/NIEHS and NHLBI (R01 ES 014433) \$2,789,088

Major aims are to investigate prospectively the relationships of toenail mercury and selenium levels, objective biomarkers of environmental exposure, and fish and n-3 fatty acid intake with incidence of coronary heart disease and stroke in men and women in two large prospective cohort studies.

Dietary Biomarkers, Genetic Variation, and Novel Markers of Metabolic and Cardiovascular Risk

2007-2011 PI Genes and Environment Initiative, Harvard \$200,000

Major aims are to investigate how genome-wide variation affects individual responses to chronic mercury and

selenium exposure and the potential biologic pathways mediating these identified genetic effects.

Fatty Acids and Major Cardiovascular Outcomes in Older Adults

2006-2012 PI NIH/NHLBI (R01 HL 085710) \$2,342,311

Major aims are to investigate prospectively the relationships of plasma phospholipid omega-3 and trans fatty acid levels, objective biomarkers of dietary intake, with incidence of congestive heart failure, atrial fibrillation, and total mortality among older adults in a prospective, population-based, multicenter cohort.

Fatty Acids and Cardiovascular Health

2004-2008 PI NIH/NHLBI (K08 HL 075628) \$620,000

Major aims are to define more clearly relationships of diet, particularly dietary fatty acids, with cardiovascular disease.

Diet and Genetic Interactions in Relation to Coronary Heart Disease

2003-2005 co-I American Heart Association (PI-Rimm)

Major aims are to evaluate new and timely hypotheses concerning the dietary and genetic determinants of cardiovascular disease. My role was to lead specific analyses and manuscripts related to the primary aims.

Mitigation by Atorvastatin of Heart Failure Inflammation (MAHI)

2002-2004 co-PI Pfizer Research Grant \$83,400

This is a randomized, double blind, placebo-controlled trial to test the effect of statin therapy on systematic inflammation, exercise tolerance, and quality of life in patients with heart failures.

TEACHING AND TRAINING

Doctoral

- 2007-2009 Member, Doctoral thesis committee, Goodarz Danaei, Department of Global Health and Population, Harvard School of Public Health
- 2008-2011 Chair, Doctoral thesis committee, Martin Lajous, Department of Epidemiology, Harvard School of Public Health
- 2010-2011 Chair, Doctoral oral exam committee, Deirdre Banel, Department of Nutrition, Harvard School of Public Health
- 2013-2014 Chair, Doctoral thesis committee, Mohammad Yakoob, Department of Epidemiology, Harvard School of Public Health
- 2013-2014 Chair, Doctoral thesis committee, Ashkan Afshin, Department of Epidemiology, Harvard School of Public Health
- 2013-2014 Chair, Doctoral thesis committee, Qianyi Wang, Department of Epidemiology, Harvard School of Public Health
- 2019- Member, Doctoral thesis committee, Mengxi Du, Friedman School of Nutrition Science and Policy, Tufts University
- 2020- Chair, Doctoral thesis committee, Kurt Hager, Friedman School of Nutrition Science and Policy, Tufts University
- 2020- Chair, Doctoral thesis committee, Meghan O'Hearn, Friedman School of Nutrition Science and Policy, Tufts University

Teaching of Students in Courses (*Course Director positions are listed under Administrative Leadership Positions, above*)

- 2000-2001 Co-instructor, Human Biology 540, University of Washington, Second year medical students

- 2003-2006 Guest Lecturer, Cardiovascular Epidemiology, Harvard School of Public Health, Doctoral and masters students
- 2005 Teaching Assistant, Nutritional Epidemiology, Harvard School of Public Health, Doctoral and masters students
- 2006 Section Leader, Science B-23, Foods, Dietary Habits, and Human Health, University of Washington, Undergraduate students
- 2006-2014 Guest Lecturer, Principles of Screening, Harvard School of Public Health, Doctoral and masters students
- 2010 Guest Lecturer, Human Systems - Introduction to Clinical Nutrition, Harvard Medical School, Second year medical students
- 2010-2014 Guest Lecturer, Global Nutrition, Harvard School of Public Health, Doctoral and masters students
- 2012 Clinical Nutrition Research, Boston University School of Medicine, Doctoral students
- 2013-2014 Guest Lecturer, Introduction to Clinical Nutrition, Harvard Medical School, Medical students
- 2015 Guest Lecturer, Nutrition Assessment of Dietary Intake, Tufts University School of Medicine, 2nd year medical students
- 2015 Guest Lecturer, Nutrition and Global Health, Harvard School of Public Health, Doctoral and masters students
- 2016 Guest Lecturer, Health to Disease III: Nutrition, Tufts University School of Medicine, Doctoral students
- 2016-2020 Guest Lecturer, Nutritional Epidemiology, Friedman School of Nutrition Science and Policy, Tufts University, Doctoral and masters students
- 2020 Guest Lecturer, Public Health and Minority Communities, The George Washington University, Undergraduate students

Clinical Supervisory and Training

- 2003-2004 Preventive Cardiology Clinic Attending, Boston VA Health Care System, West Roxbury, One half session per week
- 2004-2006 Echocardiography Suite Attending, Boston VA Health Care System, West Roxbury, One full day per month
- 2008 Cardiology Consult Service Attending, Brigham and Women's Hospital, Two half-month blocks per year
- 2009-2014 Cardiology B Team Attending, Brigham and Women's Hospital, Two half-month blocks per year
- 2009-2014 Cardiology Fellows Clinic Attending, Brigham and Women's Hospital, Several half-day clinics per year

Training and Mentoring - Current:

- 2008- **Renata Micha**, PhD. Research Associate Professor, Friedman School of Nutrition Science & Policy, Tufts. Primary Mentor: Faculty member, Tufts, 2014-present; Research Associate, HSPH, 2012-14; Postdoctoral fellow, HSPH, 2008-11. Finalist, Jeremiah and Rose Stamler Research Award for New Investigators, American Heart Association, 2010. Epidemiology and Prevention Early Career Travel Award, American Heart Association, 2010. PI, NIH R01 (R01 HL130735), 2015-19
- 2012- **Gitanjali Singh**, PhD MPH. Assistant Professor (tenure-track), Friedman School of Nutrition Science & Policy, Tufts. Primary Mentor: Faculty member, Tufts, 2014-present; Postdoctoral

- 2012- fellow, HSPH, 2012-14. NIH K99/R00 Award (NHLBI), 2013-18
Marcia de Oliveira Otto, PhD. Assistant Professor (tenure-track), UT Southwestern, Houston. Co-Mentor: Faculty member, UT Southwestern, 2014-present; Primary Mentor: Postdoctoral fellow, HSPH, 2012-14. Swiss Re-Harvard Fellowship Award, 2013-14. NHLBI Diversity Supplement Award, 2015-17. American Heart Association Scientist Development Grant, 2017
- 2018- **Victoria Miller**, PhD. Postdoctoral Scholar, Friedman School of Nutrition Science & Policy, Tufts
 Primary Mentor: Postdoctoral Scholar, Tufts, 2018-present
- 2018- **Meghan O’Hearn**, MS. Doctoral Student, Friedman School of Nutrition Science & Policy, Tufts
 Academic Advisor: Doctoral Student, Tufts, 2018-present
- 2019- **Kurt Hager**, MS. Doctoral Student, Friedman School of Nutrition Science & Policy, Tufts
 Academic Advisor: Doctoral Student, Tufts, 2019-present
- 2019- **Mengxi Du**, MS, MPH, RD. Doctoral Student, Friedman School of Nutrition Science & Policy, Tufts. Doctoral Thesis Committee, Tufts, 2019-present
- 2020- **Meng Wang**, PhD. Postdoctoral Scholar, Friedman School of Nutrition Science & Policy, Tufts
 Primary Mentor: Postdoctoral Scholar, Tufts, 2020-present

Training and Mentoring – Past (with current positions listed):

- 2007-2008 **Jyrki Virtanen**, PhD. Adjunct Professor (tenure-track faculty), University of Eastern Finland, Institute of Public Health and Clinical Nutrition, Kuopio, Finland. Primary Mentor: Postdoctoral fellow, HSPH, 2007-08
- 2007-2008 **Divay Chandra**, MD MPH. Assistant Professor of Medicine, Department of Medicine, University of Pittsburgh. Primary Mentor: Masters student, HSPH, 2007-08
- 2007-2009 **Goodarz Danaei**, MD. Associate Professor of Global Health (tenure-track faculty), Department of Global Health and Population, Department of Epidemiology, HSPH. Doctoral Thesis Committee, HSPH, 2007-09
- 2008-2010 **Kyong Park**, PhD. Associate Professor (tenure-track faculty), Food and Nutrition, Yeungnam University, South Korea. Primary Mentor: Postdoctoral fellow, HSPH, 2008-10
- 2008-2009 **Pattra Wirojratana**, BS MPH. Research Consultant, Mapi Values, Boston, Massachusetts. Masters Thesis Advisor, HSPH, 2008-09
- 2008-2009 **Sarah Wallace**, MD. Radiology Resident, Duke University Health System. Primary Mentor: Junior research fellow, HSPH, 2008-09
- 2008-2011 **Martin Lajous**, MD DrPH. D Level Researcher (tenure-track faculty), Unit for Diabetes and Cardiovascular Risk, Center for Population Health Research, National Institute of Public Health, Mexico City, Mexico. Doctoral Thesis Committee Chair: HSPH, 2008-11. Rose Travel Fellowship, HSPH, 2009. HSPH Lown Scholar, 2010-11
- 2009-2013 **Jason Wu**, PhD. Associate Professor, The George Institute for Global Health, University of New South Wales. Primary Mentor: Postdoctoral fellow, HSPH, 2009-13. Australian National Heart Foundation Research Fellowship, 2010-11
- 2009-2013 **Fumiaki Imamura**, PhD. Investigator Scientist (tenure-track faculty), Medical Research Council (MRC) Epidemiology Unit, University of Cambridge, UK. Primary Mentor: Postdoctoral fellow, HSPH, 2009-13. National Institutes of Health Administrative Supplement Award (PI-Mozaffarian), American Recovery and Reinvestment Act of 2009 (3R01 HL085710-03S1), 2009. Annual Winner, Harvard Program in Cardiovascular Epidemiology Fellow and Trainee Friday Forum, HSPH, 2010. Fellowship, the International Union of Nutritional Sciences Workshop on Capacity and Leadership Development in Nutritional Sciences, Tokyo, Japan, 2010. Epidemiology and Prevention Early Career Research Grant, American Heart Association, 2011. Fellowship, 44th Ten-Day International Teaching Seminar on CVD Epidemiology and Prevention, Cape Town, South Africa, 2012. Scott Grundy Fellowship Award for Excellence in Metabolism Research, American Heart Association, San Diego, CA, 2012. Finalist, Jeremiah and Rose Stamler Research Award for New Investigators, American Heart Association, 2013
- 2010-2011 **Shadi Kalantarian**, MD MPH. Research Assistant, Massachusetts General Hospital, Boston, Massachusetts. Masters Thesis Advisor: HSPH, 2010-11. HSPH Lown Scholar, 2010-11
- 2010-2011 **Luisa Soares-Miranda**, PhD RN. Postdoctoral Researcher at CIAFEL. Porto University, Porto,

- Portugal. Mentor: Visiting doctoral student, HSPH, 2010-11
- 2010-2011 **Deirdre Banel**, DrPH. Assistant Professor of Nutrition, Harvard TH Chan School of Public Health. Doctoral Oral Exam Committee Chair, HSPH, 2010; Doctoral Thesis Committee: HSPH, 2010-11. Student Travel Scholarship Award, Society of Epidemiologic Research Annual Meeting, Montreal, Canada, 2011. Outstanding Poster Award, Society of Pediatric and Perinatal Epidemiologic Research Annual Meeting, Montreal, Canada, 2011. Best Plenary Presentation, Society of Pediatric and Perinatal Epidemiologic Research Annual Meeting, Montreal, Canada, 2011
- 2010-2014 **Mohammad Yakoob**, MD DrPH. Doctoral Thesis Advisor: HSPH, 2010-14. Lown Scholar, HSPH, 2011-12. Predoctoral Fellowship Award, American Heart Association, 2012-14. Epidemiology and Prevention New Investigator Travel Award, American Heart Association, 2014
- 2010-2015 **Ashkan Afshin**, MD MPH. Assistant Professor, Institute for Health Metrics & Evaluation, University of Washington. Primary Mentor: Postdoctoral fellow, Tufts, 2014-15; Doctoral Thesis Advisor, HSPH, 2010-14. Harvard Global Health Graduate Fellowship Award, 2013-14
- 2012-2013 **Fadar Otite**, MD MPH. Clinical Assistant Professor of Neurology, SUNY Upstate Medical University. . Primary Mentor: Research assistant, HSPH, 2012-13
- 2012-2014 **Qianyi Wang**, MD. Associate, McKinsey & Company. Doctoral Thesis Advisor: HSPH, 2012-14
- 2012-2014 **Wenjie Ma**, MD. Doctoral Student, Department of Epidemiology, HSPH. Doctoral Thesis Advisor: HSPH, 2012-14. Epidemiology and Prevention New Investigator Travel Award, American Heart Association, 2014
- 2012-2015 **Liana Del Gobbo**, PhD. Scientist, Health R&D, 23andMe. Primary Mentor: Postdoctoral fellow, Tufts, 2014-15; Postdoctoral fellow, HSPH, 2012-14
- 2012-2015 **Jessica Smith**, PhD. Scientist, Nutrition and Epidemiology. Bell Institute of Health and Nutrition, General Mills Inc. Primary Mentor: Postdoctoral fellow, HSPH, 2012-15
- 2013-2014 **Saman Fahimi**, MD MPH. Student, University of Cambridge. Mentor: Visiting doctoral student, HSPH, 2013-14. Winner, Sandra A. Daugherty Award for Excellence in Cardiovascular Disease or Hypertension Epidemiology, American Heart Association, 2013
- 2013-2014 **Michael Webb**, MS. Doctoral Student in economics, Stanford University. Mentor: Visiting masters student, HSPH, 2013-14. Finalist, Jeremiah and Rose Stamler Research Award for New Investigators, American Heart Association, 2014
- 2013-2014 **Shahab Khatibzadeh**, MD MPH. PhD Student, Heller School for Social Policy & Management, Brandeis University. Primary Mentor: Postdoctoral fellow, HSPH, 2013-14
- 2013-2015 **Siyi Shangguan**, MD MPH. Attending Physician, Massachusetts General Hospital. Primary Mentor: Research assistant, Tufts, 2014-15; Research assistant, HSPH, 2013-14. Finalist, Article of the Year, American Journal of Preventive Medicine, 2019.
- 2014-2015 **Michael Kashaf**, MPH. Medical Student, Johns Hopkins University, Baltimore, MD. Primary Mentor: Research scholar, Tufts, 2014-15
- 2014-2015 **Colin Rehm**, PhD. Assistant Professor, Department of Epidemiology and Population Health, Albert Einstein College of Medicine. Primary Mentor: Postdoctoral fellow, HSPH, 2014-15
- 2014-2016 **Laura Pimpin**, PhD. Epidemiologist, ICON plc, London, United Kingdom. Primary Mentor: Postdoctoral fellow, Tufts, 2014-16
- 2014-2016 **Masha Shulkin**, BS. Medical Student, University of Michigan. Primary Mentor: Research scholar, Tufts, 2014-16
- 2014-2017 **Jose Peñalvo**, PhD, Pharm D. Professor of Public Health, Head of Noncommunicable Diseases Unit, Institute of Tropical Medicine, Antwerp, Belgium. Primary Mentor: Faculty member, Tufts, 2014-17
- 2015-2016 **Eve Bishop**, BS. Medical Student, Johns Hopkins School of Medicine. Primary Mentor: Research scholar, Tufts, 2015-16
- 2015-2016 **Zach Conrad**, PhD. Postdoctoral Research Nutritionist, USDA Human Nutrition Research Center. Primary Mentor: Postdoctoral fellow, Tufts, 2015-16. Award for Excellence in Research Addressing Cardiovascular Health Equity by AHA recipient, 2016
- 2015-2016 **Sarah Pedersen**, PhD. Global Health and Nutrition Consultant, Creative Associates International, Turkey. Primary Mentor: Postdoctoral fellow, Tufts, 2015-16

- 2015-2017 **Daniel Marsden**, BS. Medical Student, George Washington University; Global Physician-Scientist Fellow, George Washington University. Primary Mentor: Research scholar, Tufts, 2015-17
- 2015-2017 **Adeem Tahira**, BS. Medical Student, Campbell University. Primary Mentor: Research scholar, Tufts, 2015-17
- 2015-2017 **Sarah Kranz**, BS. Clinical Data Analyst, Statistics & Data Corporation. Primary Mentor: Research scholar, Tufts, 2015-17
- 2016 **Estelle Zirkler**, MS. Medical Informaticist, Blue Shield of California. Primary Mentor: Research scholar, Tufts, 2016
- 2016-2017 **Alison Brown**, MS, PhD. AAAS Science and Technology Fellow 2018-19; Chair-elect, National Organization of Blacks in Dietetics and Nutrition. Primary Mentor: PhD Candidate, Tufts, 2016-17
- 2016-2017 **Kate Rosettie**, MS. Researcher, Cost Effectiveness and Diarrheal disease, Institute for Health Metrics and Evaluation, University of Washington. Primary Mentor: Research scholar, Tufts, 2016-17
- 2016-2017 **Sally Stoyell**, BS. Clinical Research Coordinator, Massachusetts General Hospital. Primary Mentor: Research scholar, Tufts, 2016-17
- 2016-2019 **Jennifer Onopa**, MS. Nutrition Educator, Penn State University. Primary Mentor: Researcher, Tufts, 2016-19
- 2016-2019 **Heidi Lai**, PhD. Research Fellow, Imperial College London, UK. Primary Mentor: Postdoctoral Scholar, Tufts, 2016-19
- 2016-2020 **Junxiu Liu**, PhD. Postdoctoral Scholar, Friedman School of Nutrition Science & Policy, Tufts Primary Mentor: Postdoctoral Scholar, Tufts, 2016-2020
- 2017-2020 **Yujin Lee**, PhD. Assistant Professor, Myongji University, Seoul, South Korea. Primary Mentor: Postdoctoral Scholar, Tufts, 2017-2020

INVITED PRESENTATIONS

National

2020

Personalized Nutrition in Diabetes & Pre-Diabetes. Speaker, 17th Annual Natural Supplements: An Evidence-Based Update, San Diego, CA.

Food is Medicine: Dietary & Policy Priorities For Better Health and Lower Healthcare Costs. Speaker, Academy HPC, Massachusetts Health Policy Commission, Boston, MA.

Beyond Single Nutrients: Health Effects of Dairy as Foods. Speaker, USDA NIFA Workshop on Dairy Foods - Management, Production, Bioactive Components to Enhance Health, Beltsville, MD.

Food is Medicine: Dietary and Policy Priorities for Good Health. Spotlight talk, 2020 Lake Nona Impact Forum, Orlando, FL.

Food for Thought: Insights on How to Address Nutrition Issues. Panelist, 2020 Lake Nona Impact Forum, Orlando, FL.

You Are What You Eat—Policies for a Healthy America. Speaker, Breakfast for Members of Congress, The Aspen Institute Congressional Program, Washington, D.C.

Food and nutrition science and policy in a time of COVID-19. Speaker, Google Food Lab Summit, Virtual Lab.

The Quality of Food for Managing Obesity & Diabetes: Current Evidence & Uncertainties. Speaker, Harvard Medical School Diabetes Update Course 2020, Live Stream.

Should I Focus on the Quantity or Quality of Food in My Patient with Type 2 Diabetes? Panelist, Harvard Medical School Diabetes Update Course 2020, Live Stream.

Can Diet and Nutrition Help Bend the COVID-19 Curve? Speaker, Tufts University Webinar.

Carbohydrate Quality: Relevant Metrics and Implications for Consumers and Policy Makers. Speaker, American Society of Nutrition 2020, Live Online.

Overview of Food and Nutrition Issues in an Era of COVID-19. Speaker, American Society of Nutrition 2020, Live Online.

How Can Produce Rx Address Food Insecurity and Build Resilience in the Midst of COVID-19? Speaker, Produce Rx: Addressing Inequity and Promoting Health During the Pandemic and Beyond, Webinar.

Can Food and Nutrition Bend the Curve for COVID-19? Speaker, Healthy Food Retail Bimonthly Speaker Series, Robert Wood Johnson Foundation's Healthy Eating Research program and the Centers for Disease Control and Prevention's Nutrition and Obesity Policy Research and Evaluation Network, Webinar.

Nutrition, Chronic Diseases, and COVID-19. Speaker, Modeling Health: How Health Systems Can Take Action to Reduce Sugary Drinks, American Cancer Society and the Public Health Law Center, Webinar.

Regenerative Nutrition Panel. Panelist, Manna Tree Partners, Webinar.

Nutrition, Metabolic Health, and Covid-19: Policy and Systems Priorities. Speaker, Nutrition Seminar Series, Centers for Disease Control and Prevention, Webinar.

Advancing Federal Nutrition Research to Improve America's Health. Panelist, The Future of MTM Research, Food Is Medicine Coalition Virtual National Symposium.

Evidence and Controversies in Dietary Management of Obesity & Diabetes. Speaker, Rhode Island Certified Diabetes Outpatient Educators Annual Symposium, Virtual.

Food is Medicine: dietary and policy priorities to leverage the power of nutrition security. Speaker, Rhode Island Community Food Bank, Virtual.

Multi-Sector Thought Leader Open Dialogue: Planning for the New Normal. Panelist, Hunger to Health in COVID and Beyond: Food Policy as Health Policy, The Hunger to Health Collaboratory Virtual Summit.

Food, Obesity, and Metabolic Health in a Time of COVID-19: Opportunities and Solutions. Speaker, Living Longer and Healthier, Young President's Organization, Virtual.

COVID-19, Nutrition, and Metabolic and Vascular Health. Panelist, COVID-19 and Diet-Related Disease, National Food Policy Conference, Consumer Federation of America, Virtual.

Strengthening National Nutrition Research: The Role of SNEB. Panelist, Society for Nutrition Education and Behavior (SNEB) Webinar.

Partnership for a Healthier America Session. Speaker, UN Voices of Food Systems 24-Hour Global Relay Conversation, Virtual.

Food, COVID-19, and Sensible Policy: Time to #FixFood. Speaker, Food for Thought: A Nutrition Policy Summit, The Well, Virtual.

Food is Medicine: Dietary Priorities and Policy Actions. Speaker, NOPREN State-of-the-Science Monthly Webinar Series, Centers for Disease Control and Prevention's Nutrition and Obesity Policy Research and Evaluation Network (NOPREN).

Food is Medicine: Integrating Nutrition into Health Care. Speaker, Cleveland Clinic Center for Functional Medicine Grand Rounds, Virtual.

Precision Nutrition, Food as Medicine & Metabolic Disease. Panelist, DayTwo Virtual Conference: Addressing the Slow Pandemic: Metabolic Disease in the Age of Precision Medicine.

What makes a healthy grain? / What questions need to be addressed related to NCDs and grains? Speaker, Chronic Disease Prevention, Barilla Science Discovery Symposium, Virtual.

2019

Food as Medicine. Panelist, National Academies Food Forum, Washington, D.C.

A History of Nutrition Science: Implications for Current Research, Dietary Guidelines and Food Policy. Speaker, Low Carb Denver 2019, Denver, CO.

Appropriate Dietary Guidelines for Improving Population Health - What Does the Balance of Evidence Suggest? Panelist, Low Carb Denver 2019, Denver, CO.

Food as Medicine. Speaker, 2019 Milken Institute Global Conference, Beverly Hills, CA.

Controversies in Nutritional Management of Obesity & Diabetes. Speaker, Harvard Medical School Diabetes Update Course 2019, Boston, MA.

Food is Medicine: Dietary Priorities, Policy Actions, and Economic Benefits. Speaker, 39th Annual Michael G. Wohl Memorial Medical Grand Rounds Lecture, Temple University, Philadelphia, PA.

Starch, Sugar, and Metabolic Health. Speaker, American Society of Nutrition 2019, Baltimore, MD.

Strengthening Nutrition Research: The Role of a National Institute of Nutrition. Speaker, American Society of Nutrition 2019, Baltimore, MD.

Trans Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis from 10 Prospective Cohort Studies in the Fatty Acids and Outcome Research Consortium (FORCE). Speaker, American Society of Nutrition 2019, Baltimore, MD.

The Global Nutrition Crisis: New Science, Opportunities, and Solutions. Speaker, Rockefeller Foundation Board Meeting, New York, NY.

Food, Elixir of Life. Panelist, Aspen Ideas Festival 2019, Aspen, CO.

Food is Medicine: Dietary and Policy Priorities to Solve Our National Health Crisis. Speaker, Health Technical Exchange Meeting, MITRE Corporation, McLean, VA.

Food is Medicine: Dietary and Policy Priorities for Cardiometabolic Health. Speaker, 2nd Annual Kevin Graham Lecture, Minneapolis Heart Institute, Minneapolis, MN.

Actions for the Future in Food Justice, Diet and Health, and Sustainability. Moderator, The 50th Anniversary of The White House Conference on Food, Nutrition, and Health: New Challenges and Policy Innovation for Health, Hunger, and Sustainability, Washington, D.C.

2018

Food is medicine: addressing hunger as a health issue. Panelist, House Hunger Caucus Food is Medicine Working Group, Washington, D.C.

Hunger, nutrition, and the military: Are we fit to fight? Panelist, House Hunger Caucus, Washington, D.C.

Food is Medicine. Plenary talk, Partnership for a Healthier America 2018 Summit Session, Washington, D.C.

Looking ahead to the 2020 Dietary Guidelines for Americans. Panelist, 41st National Food Policy Conference, Washington, D.C.

Food is Medicine. Keynote address, 41st National Food Policy Conference, Washington, D.C.

Monosaturated Fats and Stearic Acid: Summary of Impact on Human Cardiometabolic Outcomes. Speaker, 2018 American Oil Chemists' Society Annual Meeting & Expo, Minneapolis, MN.

Diet and the Double Burden. Bill & Melinda Gates Foundation Nutrition Team Retreat Learning Session, Seattle, WA.

Controversies in Nutritional Management in Diabetes, Obesity and CV Disease. Speaker, Harvard CME Course: Diabetes Update 2018, Boston, MA.

Demographics, Diversity and Disparities in Nutrition Science. Speaker, American Society of Nutrition 2018, Boston, MA.

Innovative Policies for Food and Nutrition Assistance Programs. Panelist, American Society of Nutrition 2018, Boston, MA.

Dietary recommendations: How to stimulate healthy and sustainable practices? Keynote address, International Forum on Food and Nutrition, Barilla Foundation, New York, NY.

Private sector collaborations with academic public health: opportunities and challenges. Panelist, Boston University School of Public Health, Boston, MA.

Food is Medicine. Speaker, 2018 Milken Institute Future of Health Summit, Washington, D.C.

Food is Medicine: Dietary and Policy Priorities for a Healthier Nation. Speaker, 2018 Food and Nutrition Conference and Expo, Academy of Nutrition and Dietetics, Washington, D.C.

Dietary and policy priorities for obesity prevention: Current evidence and remaining controversies. Keynote speaker, NYU Langone Comprehensive Program on Obesity Inaugural Obesity Research Summit, New York, NY.

The Transformation of Nutrition and Policy Science: Priorities for a Food Revolution. Presenter, Renaissance Weekend, Charleston, SC.

Something That's Been Buggin' Me Lately. Panelist, Renaissance Weekend, Charleston, SC.

2017

Dietary and policy priorities for obesity: are all calories created equal? Speaker, Community Health event, Tufts University.

Rethinking dietary fat. Keynote speaker, Tufts Medical Grand Rounds and Clinical and Translational Science graduate program seminar, Boston, MA.

The school food environment: The dietary and health effects of school meal standards, fresh fruit and vegetable programs, and competitive food standards. Invited speaker, Massachusetts Health Council's Healthy Food Fuels Hungry Minds Conference, Cambridge, MA.

Food as Medicine. Invited speaker, Cardiovascular Disease: The impact of diet and lifestyle on cardiometabolic health, Swiss Re Institute, Cambridge, MA.

Potential dangers of a high dietary intake of saturated fat. Invited speaker, Obesity Medicine 2017, Seattle, WA.

How to shape a robust, comprehensive, and advocacy-oriented research strategy. Invited panelist, Bloomberg Philanthropies Obesity Prevention Expert Convening, New York, NY.

Dietary fats and cardiovascular risk: A fresh look at the evidence. Plenary talk, NYU School of Medicine Diet and Lifestyle Strategies for Cardiovascular Risk Reduction, New York, NY.

Nutritional risk factors for cardiovascular disease: recent findings from model analysis on policy interventions. Plenary talk, CDC Division for Heart Disease and Stroke Prevention Science and Seminar series, Atlanta, GA.

Innovators improving access: creating healthier links in the food chain. Panelist, Future of Health Summit, Milken Institute, Washington, D.C.

Are we what we eat? Plenary talk, Renaissance Weekend, Charleston, SC.

It's all about the heart. Plenary talk, Renaissance Weekend, Charleston, SC.

2016

Dietary and policy priorities for obesity: are all calories created equal? Internal Medicine Grand Rounds, Tufts Medical Center.

Dietary risk factors for cardiovascular disease. Plenary talk, Tufts University Medical School, Boston, MA.

Dietary and policy priorities for obesity: are all calories created equal? Invited speaker, Tufts University Molecular Medicine Seminar, Boston, MA.

Dietary and policy priorities for obesity: are all calories created equal? Plenary talk, UCLA School of Public Health, Los Angeles, CA.

Healthy gut, healthy body? Invited panelist, Aspen Ideas Festival 2016, Aspen, CO.

Rethinking dietary fat. Plenary talk, Controversies and Advances in the Treatment of Cardiovascular Disease, Cedars-Sinai Heart Institute, Beverly Hills, CA.

Rethinking dietary fat. Grand Rounds, School of Medicine at Mount Sinai, New York, NY.

Common Purpose, Uncommon Lives, Transforming Healthcare. Invited panelist, Renaissance Weekend, Charleston, SC.

2015

Diet and cardiovascular disease. Speaker, Grand Rounds, Division of Cardiology, Tufts Medical Center, Boston, MA.

Plasma and dietary fatty acids, diet, and cardiovascular disease prevention. Plenary talk, Boston Heart Diagnostics advisory board meeting, Natick, MA.

Advances in Human Nutrition. Plenary talk, Tufts Talks Obesity: From Cell to Society. Friedman School of Nutrition Science & Policy, Tufts University, Boston, MA.

The Friedman School-Past, Present, and Future. Plenary talk, Friedman School of Nutrition Science & Policy, Tufts University, Boston, MA.

Too many at the table: imagine feeding the entire world. Invited panelist, International Women's Forum, Boston, MA.

Evidence-based dietary policies: marketing and food environment. Plenary talk, Finding Common Ground Conference, Boston, MA.

Saturated fat, low-carb, fish oil-what are the real dietary priorities for cardiometabolic health? Grand Rounds, University of California San Francisco Cardiology Grand Rounds, San Francisco, CA.

Dairy foods, dairy fat, and cardiometabolic outcomes. Plenary talk, Experimental Biology 2015. Whole-milk dairy foods in nutrition and health: an evaluation of the current state of the science. Boston, MA.

A healthy approach to dietary fat consumption: understanding the science and taking action to clear up consumer confusion. Session chair, Experimental Biology 2015. Haas Avocado Board moderator, Boston, MA.

Dairy foods, dairy fat, and cardiometabolic outcomes. Plenary talk, American Oil Chemist Society Annual Meeting, Orlando, FL.

Evaluating public policy. Panel member, AHA Advocacy Coordinating Committee. Dallas, TX.

Dietary and policy priorities for obesity - Are all calories created equal? Center seminar, Fred Hutchinson Cancer Research Center, Seattle, WA.

Panel discussion on US Dietary Guidelines. Invited panelist, Presidential Council of Advisors on Science and Technology, Washington D.C.

Dietary priorities for obesity: are all calories created equal? Plenary talk, Brown University, Providence, RI.

2014

Global dietary priorities and policies to improve cardiometabolic health. School-wide seminar, Friedman School of Nutrition Science & Policy, Tufts University, Boston, MA.

Dietary priorities for preventing obesity-are all calories created equal? Center-wide seminar, Human Nutrition Research Center on Aging, Tufts University, Boston, MA.

Chocolate and heart health: Too good to be true? Plenary talk, 12th Annual CVD Prevention International Symposium 2014, Baptist Health South Florida, Miami Beach, FL.

The global burden of cardiovascular mortality due to salt and sugar consumption. Plenary talk, 12th Annual CVD Prevention International Symposium 2014, Baptist Health South Florida, Miami Beach, FL.

Fish consumption: mercury exposure? farm raised vs. wild? warm water vs. cold? What's a consumer to do? Plenary talk, 12th Annual CVD Prevention International Symposium 2014, Baptist Health South Florida, Miami Beach, FL.

Diet and cardiometabolic risk: How to make sense of the evidence. Keynote speaker, Integrative Vascular Biology and McAllister Heart Institute Annual Research Symposium, University of North Carolina, Chapel Hill, NC.

Diet and cardiometabolic risk: New evidence and insights. Distinguished Visiting Professor, Heart and Vascular Center of Excellence, Wake Forest School of Medicine, Winston-Salem, NC.

The differences between epidemiologic and evidence-based metabolic studies. Plenary talk, The American Society of Bariatric Physicians Spring 2014 Conference, Philadelphia, PA.

Diet and cardiometabolic risk: New evidence and insights. Department seminar, University of Massachusetts Lowell, Clinical Laboratory and Nutritional Sciences Colloquium, Lowell, MA.

Dietary quality, obesity, and metabolic risk-are all calories created equal? Plenary talk, Beth Israel Deaconess Medical Center Cardiovascular Seminar Series, Boston, MA.

Impact of sugar sweetened drinks on global mortality. Plenary talk, National Soda Summit 2014, National Press Club, Washington, D.C.

Fat quality vs. fat quantity--What matters more? Plenary talk, American Diabetes Association's 2014 Scientific Sessions, San Francisco, CA.

VFHK policy levers and policy priorities. Plenary talk, Voices for Healthy Kids Annual Policy Research Summit, Raleigh, NC.

Dietary fats and heart health. Featured speaker, Cargill webinar for the American Association of Cereal Chemists International, Plymouth, MN.

Assessing global dietary habits – a comparison of national estimates from the UN Food and Agricultural Organization and the Global Dietary Database. Plenary talk, Harvard University Center for the Environment workshop on marine fisheries, food security, and human nutrition, Boston, MA.

Prevention priorities in the United States: Results from a review of literature and recommendation for the future. Keynote speaker, Sackler Institute for Nutrition Science Workshop, New York, NY.

Risks and benefits of fish consumption for cardiovascular diseases. Plenary talk, EPA 2014 National Forum on Contaminants in Fish, Alexandria, VA.

Dietary quality, obesity, and metabolic risk: Are all calories created equal? Keynote speaker, Biennial Cardiovascular Symposium, Asheville, NC.

Dietary priorities for cardiovascular disease: Making sense of the evidence. Grand Rounds, Mt. Sinai Hospital Cardiology grand rounds, New York, NY.

2013

Advice to promote heart-healthy eating and optimize cardiovascular nutrition. Plenary talk, Cardiovascular Medicine: Review and Update for the Practitioner, Brigham and Women's Hospital, Boston, MA.

Can grains provide heart health and weight maintenance benefits? Plenary talk, Bunge Scientific Summit on Grains and Health, White Plains, NY.

The global, regional, and national impact of sodium consumption on cardiovascular mortality. Plenary talk, Research Colloquium on Cardiovascular Research, Colorado State University, Denver, CO.

The global impact of dietary habits on cardiovascular diseases: Comparative burdens and opportunities for prevention. Grand Rounds, Cardiovascular Research Institute, Oregon Health Sciences University, Portland, OR.

Emerging science in saturated and polyunsaturated fat. Plenary talk, Unilever Scientific Advisory Meeting, Englewood Cliffs, NJ.

Dietary fats, foods, and type 2 diabetes: What effects are independent of weight gain? Plenary talk, Scientific Sessions, American Society for Nutrition, Boston, MA.

Prospective cohort studies and randomized controlled trials on omega-3 fatty acids and cardiovascular diseases. Plenary talk, Linus Pauling Institute Seventh Biennial Conference on Diet and Optimum Health, Oregon State University, Corvallis, OR.

Chair, The Agriculture and Health Nexus. Plenary talk, Chicago Council on Global Affairs: Global Food Security Symposium, Washington D.C.

Drawing heart failure management lessons from population science research. Plenary talk, NHLBI and NIH Office of Dietary Supplements Working Group: Designing Clinical Studies to Evaluate the Role of Nutrition and Diet in Heart Failure Management, Bethesda, MD.

The global, regional, and national impact of sodium consumption on cardiovascular mortality. Grand Rounds, Public Health Grand Rounds, University of Rochester Medical Center, Rochester, NY.

Breakout Group Facilitator Session leader, American Heart Association Sodium Conference, Arlington, VA.

Overview of nutritional policies to reduce metabolic risk. Plenary talk, American Diabetes Association Scientific Sessions, Chicago, IL.

Evidence for population-based dietary policies, including obesity prevention. Plenary talk, Lancet Commission for Investing in Health / Disease Control Priorities Project / Harvard Global Health Institute, Cambridge, MA.

Taxes and subsidies on foods and beverages. Plenary talk, Lancet Commission for Investing in Health / Disease Control Priorities Project / Harvard Global Health Institute, Cambridge, MA.

Saturated fat and heart disease: A review of the evidence. Omega-3 fatty acids and cardiovascular diseases. Keynote speaker, Cargill Live Webinar – Impact of Saturates and Omega-3s on Heart Health.

Omega-3's and CVD: Evidence from observational studies and clinical trials. Plenary talk, Amarin Scientific Summit Meeting, Houston, TX.

Subject matter expert, micronutrient supplements. Invited workshop subject discussant, Micronutrient Supplement Summit, Institute of Human Nutrition, Columbia University, New York, NY.

Fish and seafood: Scientific advances to support food-based guidelines. Cardiovascular seminar, American Heart Association Scientific Sessions, Dallas, TX.

Omega-3's and cardiovascular randomized controlled trials: Progress and short-comings. Cardiovascular seminar, American Heart Association Scientific Sessions, Dallas, TX.

Dietary and pharmacological interventions for prevention of atrial fibrillation. Cardiovascular seminar, American Heart Association Scientific Sessions, Dallas, TX.

Dietary fat and heart health. Keynote speaker, 11th Annual Society for Heart and Vascular Metabolism conference, Cambridge, MD.

2012

Diet for a healthy heart and global cardiovascular disease prevention. School-wide seminar, Friedman School of Nutrition Science & Policy, Tufts University, Boston, MA.

The global burden of chronic diseases attributable to dietary habits. Institute seminar, Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA.

New advances in our understanding of the cardioprotective diet. Plenary talk, 4th Annual Advances in Heart Disease Prevention and Rehabilitation, Beaumont Health System, Auburn Hill, MI.

Improving cardiovascular health with omega-3's: the scientific evidence. Plenary talk, Global Organization for

EPA and DHA Omega 3 Fatty Acids (GOED) Exchange 2012, Boston, MA.

Dairy consumption and risk of diabetes. National webinar, Dairy Research Institute webinar, USA.

Population approaches for improving diet and physical activity: What is the evidence? Plenary talk, American Heart Association Scientific Sessions, Industry Nutrition Advisory Panel, Los Angeles, CA.

Long-chain fatty acids: the good, the bad, and the ugly. Cardiovascular seminar, American Heart Association Scientific Sessions, Los Angeles, CA.

Chocolate and heart health: Is it as good as we hope? Cardiovascular seminar, American Heart Association Scientific Sessions, Los Angeles, CA.

2011

Changes in diet and lifestyle and long-term weight gain in women and men. Plenary talk, Nutrition Round Table, Harvard School of Public Health.

Policy approaches to reduce the burden of chronic diseases in the US and globally. School-wide forum, Chronic Disease: from Research to Policy, Harvard School of Public Health.

Nutritional measures to curb the pandemic of overweight, metabolic syndrome, and obesity. Plenary talk, Cardiovascular Medicine: Review and Update for the Practitioner, Brigham and Women's Hospital.

Diet and global burdens of chronic diseases. Plenary talk, Weatherhead Center for International Affairs' Workshop on the Sustainability of the World's Food and Farming Systems, Harvard Kennedy School Center for International Development, Cambridge, MA.

Fish oil, omega-3 fatty acids, and cardiovascular health. Grand Rounds, Division of Cardiology, Boston Medical Center, Boston, MA.

Four legs? Two legs? No legs? What's the best protein source and why? Plenary talk, Worlds of Health Flavors, Napa, CA.

Current intakes of dietary omega-3 fatty acids and impact on health. Plenary talk, American Society for Nutrition Scientific Sessions, Washington, D.C.

Dietary fats, carbohydrates, and cardiometabolic health. Plenary talk, Food Technology, Innovation, and Safety Summit, Chicago, IL.

Trans fatty acids, cardiometabolic health, and public policy. Division seminar, Division for Heart Disease and Stroke Prevention, Centers for Disease Control and Prevention, Atlanta, GA.

Nutrition and global burden of chronic diseases. Department seminar, Department of Global Health, University of Washington School of Public Health, Seattle, WA.

Diet and cardiometabolic risk – News insights and priorities. Teaching conference, Division of Cardiology, University of Washington School of Medicine, Seattle, WA.

Diet for a healthy heart and global cardiovascular disease prevention. Plenary talk, The World Bank, Washington, D.C.

Dietary quality, lifestyle, and the prevention of long-term weight gain. Department seminar, Stanford Prevention Research Center, Stanford University, Palo Alto, CA.

Dietary fats and cardiovascular diseases. Cardiovascular seminar, American Heart Association Scientific Sessions, Orlando, FL.

Starting a research career in the field of nutrition. Early career seminar, American Heart Association Scientific Sessions, Orlando, FL.

Polypill versus polymeal policies for CVD prevention in low and middle income countries. Plenary debate, American Heart Association Scientific Sessions, Orlando, FL.

Panelist, *Living Well to 100*. Moderator, *The Way to Live*. Presenter, *Avoiding Strokes*. Panelist, Moderator,

Presenter, Renaissance Weekend, Charleston, SC.

2010

Nutrition and global burden of chronic diseases. Plenary talk, Nutrition and Global Health, 12th Annual Postgraduate Nutrition Symposium, Harvard School of Public Health.

Health benefits and risks of fish consumption. Plenary talk, Oldways Seafood and Health Conference, Cambridge, MA.

Fats, oils, and American menus: What does the science say about fats & oils in the American diet. Plenary talk, Worlds of Health Flavors, The Culinary Institute of America, Napa, CA.

Cardiovascular risks and benefits of fish consumption - Qualitative and quantitative risk-benefit assessment. Departmental seminar, Northwest Fisheries Science Center Weekly Seminar Series, US National Oceanic and Atmospheric Association (NOAA), Seattle, WA.

Highlights on new research of health effects of fats and oils. Plenary talk, American Oil Chemists Society Annual Meeting, Phoenix, AZ.

Evidence for the heart health benefits of a fish-rich diet. Plenary talk, U.S. Environmental Protection Agency, New England office, Boston, CA.

The optimal diet to prevent CVD: What is the role of saturated fat? Plenary talk, National Lipid Association Clinical Lipid Update, Washington, D.C.

The optimal diet to prevent CVD: What is the role of saturated fat? Plenary talk, Health Effects of Dietary Fatty Acids Symposium, Wayne State University, Detroit, MI.

Coronary heart disease: Effects of added sugars and refined carbohydrates. Plenary talk, Bunge Scientific Summit on Added Sugars, White Plains, NY.

The great fat debate: Is saturated fat a risk factor for heart disease? Plenary talk, American Dietetic Association Food and Nutrition Conference, Boston, MA.

Diet and health: A time for food. Plenary talk, Mediterranean Diet and Health, Rollins School of Public Health, Emory University, Atlanta, GA.

Omega-3 fatty acids and post-operative atrial fibrillation. Division meeting, Cardiothoracic Surgery Division, Washington University St. Louis, MO.

Diet and health: A time for food. Plenary talk, Mediterranean Diet: a Healthy Italian Style, Italian Consulate of New York, New York, NY.

2009

Global dietary habits and the burden of cardiovascular diseases and cancer. Community Forum, Dean's Office, Harvard School of Public Health.

Fish oil and cardiovascular health. Plenary talk, Cardiovascular Medicine: Review and Update for the Practitioner, Brigham and Women's Hospital.

Health risks and benefits of fish consumption. Plenary talk, Nutrition Round Table, Harvard School of Public Health.

The impact of diet on the global burden of cardiovascular diseases. Plenary talk, Harvard Initiative for Global Health. Cardiovascular Disease in Developing Countries: Moving Forward.

Global dietary habits and the burden of cardiovascular diseases. Framingham Research Conference, Framingham Heart Study, Framingham, MA.

Omega-3 fatty acids for cardiovascular disease prevention: What is the evidence? Plenary talk, Cardiovascular Disease Prevention 7th Annual Comprehensive Symposium, Baptist Health South Florida, Coral Gables, FL.

The trans fat story: Clinical and policy implications. Plenary talk, Cardiovascular Disease Prevention 7th Annual

Comprehensive Symposium, Baptist Health South Florida, Coral Gables, FL.

Lifestyle risk factors and new-onset diabetes mellitus in older adults. Plenary talk, American Heart Association Cardiovascular Disease Epidemiology and Prevention/Nutrition, Physical Activity, and Metabolism Conference, Palm Harbor, FL.

Emerging global dietary habits and the burden of cardiovascular diseases. Plenary talk, Institute of Medicine Committee on Preventing the Global Epidemic of Cardiovascular Disease: Meeting the Challenges in Developing Countries, Washington D.C.

Saturated fat intake and CHD risk: What is the scientific evidence? Plenary talk, American Oil Chemists Society Annual Meeting, Orlando, FL.

Omega-3 fatty acids and coronary heart disease. Plenary talk, 35th Annual Summer Meeting of The Toxicology Forum, Aspen, CO.

Polyunsaturated fat intake and risk of heart failure. Plenary talk, Heart Failure Society of America 13th Annual Scientific Meeting, Boston, MA.

Trans fatty acids: Effects on cardiometabolic health and implications for policy. Plenary talk, Nutrition & Aging Conference, Central Arkansas Veterans Healthcare System and Donald W. Reynolds Institute on Aging, University of Arkansas for Medical Sciences, Little Rock, AK.

Contribution of nutritional factors to type 2 diabetes. Plenary talk, International Chair on Cardiometabolic Risk 8th Annual Meeting, Boston, MA.

Fish, omega-3's, and cardiovascular health. Plenary talk, Lillian Foundation-Smith Conference, Denver, CO.

Nutrition, obesity, and inflammation. Plenary talk, American Dietetic Association Food and Nutrition Conference, Denver, CO.

Lifestyle risk factors for CVD: State of the science. Sunday morning program, American Heart Association Scientific Sessions, Orlando, FL.

Anti-oxidant supplements: Lessons learned – the epidemiology. Cardiovascular seminar, American Heart Association Scientific Sessions, Orlando, FL.

Health implications of switching from partially hydrogenated oils to saturated fat. Plenary talk, Bunge Scientific Summit on Saturates and Health, White Plains, NY.

2008

Trans fatty acids, cardiometabolic health, and implications for policy. Research Seminar, Harvard Prevention Research Center, HSPH.

Trans fatty acids: Effects on cardiometabolic health and implications for policy. Grand Rounds, Division of Cardiovascular Medicine, BWH.

Trans fatty acids and cardiovascular health: Quantifying effects based on RCTs vs. observational studies. Clinical Research Lecture Series, Washington University School of Medicine, St. Louis, MO.

Methylmercury, fish consumption, and cardiovascular health. Research seminar, University of Missouri Research Reactor, Columbus, MO.

Fish oil therapy in the management of dyslipidemia. Plenary talk, American College of Cardiology Annual Scientific Session, Chicago, IL.

Coronary heart disease mega-trials. Session chair, International Society for the Study of Fatty Acids and Lipids, 8th International Meeting, Kansas City, MO.

Trans fatty acids: Cardiovascular effects and molecular mechanisms. Plenary talk, International Society for the Study of Fatty Acids and Lipids, 8th International Meeting, Kansas City, MO.

Fish and fish oil consumption and cardiovascular disease. Plenary talk, International Life Sciences Institute:

Toward Establishing Dietary References for Omega-3 Fatty Acids, Washington D.C.

Dietary trans fats: effects on the heart, adiposity, and insulin resistance. Plenary talk, American Diabetes Association Scientific Sessions, San Francisco, CA.

Fish intake, contaminants, and human health. Plenary talk, Florida Dietetic Association Annual Symposium, Coral Gables, FL.

Trans fatty acids and cardiovascular disease: Clinical and policy implications. Plenary talk, 17th Annual Lipid Disorders Training Center Programs, Johns Hopkins University, Baltimore, MD.

Healthy you, Healthy Planet: Fish intake, contaminants, and human health - balancing risks and benefits. Plenary talk, American Dietetic Association Food and Nutrition Conference, Chicago, IL.

Mediterranean diet, lifestyle risk factors, and incidence of diabetes in patients with recent MI. Plenary talk, 15th Anniversary Mediterranean Diet Conference, Boston, MA.

2007

Nutrition. Session chair, American Heart Association Conference on Cardiovascular Epidemiology and Prevention, Orlando, FL.

Trans fatty acids and cardiovascular disease, diabetes, and obesity. Plenary talk, Symposium on Trans Fatty Acids, Wayne State University, Detroit, MI.

Cardiovascular benefits of omega-3 and omega-6 fatty acids. Plenary talk, National Lipid Association Scientific Sessions, , Scottsdale, AZ.

Health effects of fish consumption. Opening plenary talk, National Marine Aquaculture Summit, U.S. National Oceanic and Atmospheric Administration, Washington, D.C.

Potential role of omega-3 fatty acids in prevention of sudden death. Plenary talk, Beyond Cholesterol: Prevention and Treatment of Coronary Heart Disease with Omega-3 Fatty Acids, Columbia University, New York, NY.

Trans fatty acids and cardiovascular disease. Plenary talk, 16th Annual Lipid Disorders Training Center Programs, Johns Hopkins University, Baltimore, MD.

Balancing the health benefits and risks of fish consumption. Plenary talk, University of New Hampshire Conference on Seafood – Exploring Benefits and Risks, NH.

Fish consumption and cardiovascular risk. Plenary talk, U.S. Environmental Protection Agency, National Forum on Contaminants in Fish, Portland, ME.

Incidence of new-onset diabetes and impaired fasting glucose in patients with recent MI: Effects of clinical and lifestyle factors. Plenary talk, Network for Continuing Medical Education, Cardiometabolic E-Journal Club.

2006

Fish, n-3 fatty acids, and cardiovascular health – Current evidence for risks and benefits. Grand Rounds, Division of Cardiovascular Medicine, BWH.

Trans fatty acids and cardiovascular disease: The current evidence. Grand Rounds, Division of Cardiology, Boston Medical Center, Boston, MA.

Dietary habits and cardiovascular disease prevention. Chief of Medicine Rounds, Department of Medicine, Puget Sound Veterans Affairs Health Care Center, Seattle, WA.

Fish, contaminants, and cardiovascular health – Clearing up confusion about risks and benefits. Research conference, Division of Cardiology, University of Washington School of Medicine, Seattle, WA.

Obesity and Lifestyle. Session chair, American Heart Association Conference on Cardiovascular Epidemiology and Prevention, Phoenix, AZ.

Fish, contaminants, and human health – evaluating the risks and benefits. Research seminar, Department of Health Research and Policy, Stanford University, Stanford, CA.

Trans fatty acids and cardiovascular disease: Current evidence. Cardiopulmonary research seminar, Division of Cardiovascular Medicine, Stanford University, Stanford, CA.

Trans fatty acids and cardiovascular disease. Plenary talk, 15th Annual Lipid Disorders Training Center Programs, Johns Hopkins University, Baltimore, MD.

Should EBCT or MSCT be used to screen patients for CAD? Plenary talk, Transcatheter Cardiovascular Therapeutics (TCT) Annual Meeting, Washington D.C.

Trans fatty acids – Impact on cardiovascular health in the U.S. Plenary talk, Affairs of the Heart: Beyond LDL Cholesterol, Medical Society of Delaware, Newark, DE.

Risk and benefits of fish consumption. Featured speaker, National Academy of Sciences/Institute of Medicine Press Conference, Washington Press Club, D.C.

Trans fatty acids: The impact on cardiovascular disease, diabetes, and obesity. Plenary talk, Endocrine Days Educational Institute, Seattle, WA.

Risk and benefits of fish consumption. Featured speaker, National Academy of Sciences/Institute of Medicine Press Conference, Washington Press Club, D.C.

2005

Fish intake, atrial fibrillation, and insights into potential mechanisms of effect. Grand Rounds, Division of Cardiology, BIDMC.

Trans fatty acids and cardiovascular health. Plenary talk; Hot Topics Symposium, American Oil Chemists Society Annual Meeting, Salt Lake City, UT.

Health disparities. Session chair, American Heart Association Conference on Cardiovascular Epidemiology and Prevention, Washington, D.C.

Fish and cardiovascular health – the current evidence, uncertainties, and unanswered questions. Plenary talk, Institute of Food Technologists Annual Meeting, New Orleans, LA.

Fish and cardiovascular benefits. Plenary talk, National Oceanic and Atmospheric Administration (NOAA) Seafood and Health Meeting, Washington, D.C.

2004

Lifestyles of older adults: Can we influence cardiovascular risk in older adults? Plenary talk, American Heart Association Scientific Sessions, New Orleans, LA.

2003

Statin therapy in congestive heart failure. Grand Rounds, Division of Cardiology, University of Washington.

International:

2021

Food as Medicine – Implications for Research, Guidelines and Policy. Keynote Speaker, 20th Congress of the International Society of Renal Nutrition and Metabolism, Guangzhou, China.

2020

What did we learn from Food for Thought 2018. Panelist, Food for Thought 2020, Virtual.

Improving nutritional research and conflicts of interest. Moderator, Food for Thought 2020, Virtual.

A history of nutrition science: implications for current research, dietary guidelines and food policy. Speaker, Congress of Portuguese Association of Nutrition, Online.

Advances in nutrition science: New priorities and remaining controversies. Speaker, Westlake University,

Hangzhou, China, Virtual.

Pharma to Food: The Role of Nutrition in Managing Chronic Disease. Speaker, Future Food Tech Summit, Virtual.

Food & Nutrition in a Post-COVID-19 World: Challenges and Opportunities. Moderator, Future Food Tech Summit, Virtual.

Food, COVID-19, and Sensible Policy: Time to #FixFood. Speaker, World Food Day Webinar, The George Institute for Global Health, Newtown, Australia.

Diet, Nutrition and Cardiovascular Disease. Speaker, Healthy Lifestyle for Cardiovascular Health: Healthy Diet, Great Wall International Congress of Cardiology 2020, China, Virtual.

2019

A History of Modern Nutrition Science: Implications for Research, Dietary Guidelines, and Food Policy. Speaker, Dutch Dairy Association, Utrecht Group Meeting, Utrecht, The Netherlands.

2018

Dietary priorities for obesity: Are all calories created equal? Cardiology Rounds, McMaster University, Ontario, Canada.

Food is Medicine. Speaker, Yogurt In Nutrition Symposium, Mexico City, Mexico.

A history of nutrition science: Implications for current research, dietary guidelines and food policy. Speaker, Food for thought: The science and politics of nutrition, Centre for Global Dialogue, Rüschlikon, Switzerland.

Dietary prevention of chronic metabolic diseases: single-nutrient and popular diets vs whole dietary patterns. Speaker, EFSA Conference 2018 – Science, Food & Society, Parma, Italy.

Advancing Risk Assessment Science - Nutrition. Panelist, EFSA Conference 2018 – Science, Food & Society, Parma, Italy.

2017

The great accelerator: data collaboration to close SDG data gaps. Invited Panelist, Stockholm EAT Food Forum Competence Forum, Stockholm, Sweden.

State of the world: How to change consumer behavior and health at scale. Plenary talk, Stockholm EAT Food Forum, Stockholm, Sweden.

2016

Dietary & policy priorities for obesity: Are all calories created equal? Plenary talk, Bradford Hill Lecture, MRC Epidemiology Unit, University of Cambridge, UK.

A global perspective in preventing cardiovascular disease from discovery to policy. Plenary talk, The Lancet Lecture, At the Limits, Royal College of Physicians, London, UK.

2015

Saturated fat and trans-fatty acids, serum cholesterol and coronary heart disease. Keynote speaker, Daan Kromhout Farewell Symposium, Wageningen, Amsterdam.

The future of nutrition: science, business, and policy. Plenary talk, Nestle Corporation. Geneva, Switzerland.

Saturated fat, low-carb, fish oil, trans fat-what are the true dietary priorities for cardiometabolic health? Keynote speaker, Nutrition and the Heart Congress, Leiden, The Netherlands.

Counting calories, changing behavior: Practical tips and strong policies for a healthful diet. Keynote speaker, Nutrition and the Heart Congress, Leiden, The Netherlands.

The future of nutrition: science, business, and policy. Plenary talk, Dupont Corporation, The Netherlands.

Dietary fats, the SAFA debate, and vegetable PUFA. Plenary talk, Unilever, The Netherlands.

Counting calories? Modern evidence on dietary and policy priorities to prevent obesity. Plenary talk, University of Liverpool, Liverpool, UK.

Meat consumption and health. Plenary talk, University of Nottingham, Nottinghamshire, UK.

Targeting lifestyle to optimally manage cardiovascular risk. Plenary talk, ICCR, Quebec City, Quebec.

2014

EPA/DHA and risk of cardiovascular diseases and stroke. Plenary talk, DHA/Omega-3 for Health Symposium, University of Guelph, Toronto, Ontario, Canada.

Macronutrient intakes in low, middle, and high income countries. Plenary talk, Consensus Conference on Nutrition: A Joint Conference of the World Heart Federation and Canadian Academy of Health Sciences, Hamilton, Ontario.

Global burden of disease attributable to sugar sweetened beverages. Plenary talk, National Institute of Genomic Medicine, Tlalpan, Mexico.

Global burden of disease attributable to sugar sweetened beverages. Keynote speaker, National press conference, Mexico City, Mexico.

Foods, obesity, and diabetes-are all calories created equal? Plenary talk, Nestle Nutrition Conference, Mexico City, Mexico.

2013

Perspectives on salt and fat reduction strategies from the United States. Plenary talk, Consultation on Developing Strategic Directions for Salt and Fat Reduction, World Health Organization, Cairo, Egypt.

Diet and cardiometabolic health: Is saturated fat the villain? Plenary talk, Advances in Fats and Nutrition, Canadian Nutrition Society and the University of Guelph, Toronto, Canada.

Omega-3's and cardiovascular health: How strong is the evidence? Plenary debate, American Oil Chemists Society Annual Meeting, Montreal, Canada.

Dietary quality and obesity: Are all calories the same? Plenary talk, Canadian Obesity Network Summit, Vancouver BC, Canada.

Global impact of dietary sodium on CVD mortality. Research seminar, Spanish National Cardiovascular Research Center (CNIC) Seminar Series, Madrid, Spain.

Monounsaturated fatty acids and health: Scientific evidence. Plenary talk, IUNS 20th International Congress of Nutrition, Granada, Spain.

Global burden of cardiometabolic diseases due to sweetened beverages. Plenary talk, XXIV Interamerican Congress of Cardiology, Buenos Aires, Argentina.

Balancing the discussion on dietary fats, protein and iron. Plenary talk, Webinar, Ontario Pork, Canada.

2012

Functional foods and cardiometabolic risk reduction. Plenary talk, Scientific Intersession, World Congress of Cardiology, Dubai, United Arab Emirates.

2011

Dietary fats, carbohydrates, and cardiometabolic health. Department seminar, Institute for Clinical Effectiveness and Health Policy, Buenos Aires, Argentina.

Improving diet quality: From carbohydrate quality to dietary patterns. Plenary talk, 2nd International Congress on Abdominal Obesity, Buenos Aires, Argentina.

Seafood safety and dietary guidelines. Plenary talk, National Institute of Nutrition and Seafood Research, Bergen,

Norway.

Dietary fats, carbohydrates, and cardiometabolic risk: New insights. Plenary talk, 2nd International Summit on Ischemic Heart Disease, Pisa, Italy.

Epidemiologic concepts and multivariable modeling: A seminar series. Department seminar, Mario Negri Institute South, Santa Maria Imbaro, Italy.

Fatty acids and cardiovascular health. Department seminar, Mario Negri Institute, Milan, Italy.

Saturated fatty acids and cardiovascular health. Plenary talk, Eurofed Lipid Congress, Rotterdam, The Netherlands.

Trans-palmitoleic acid, metabolic risk factors, and new-onset diabetes. Plenary talk, Eurofed Lipid Congress, Rotterdam, The Netherlands.

Omega-6 fatty acids and cardiovascular disease. Plenary talk, Italian Society for the Study of Atherosclerosis, Rome, Italy.

Health risks and benefits of fish consumption. Plenary talk, Webinar, Norwegian Seafood Export Council, Norway.

2010

Health benefits of fish consumption. Plenary talk, Joint FAO/WHO Expert Consultation on the Risks and Benefits of Fish Consumption, Rome, Italy.

Essential fats – how much do we really need? Plenary talk, 9th Annual Unilever Nutrition Symposium, Vlaardingen, The Netherlands.

2009

Lifestyle and coronary events. Plenary talk, 1st International Summit on Ischemic Heart Disease, Pisa, Italy.

The combined impact of diet and lifestyle on cardiovascular risk. Plenary talk, 16th Lilly Foundation Scientific Symposium: Nutrition, Lipids, and Atherosclerosis, Madrid, Spain.

Preventable causes of death in the US: Comparative risk assessment, and impact of low omega-3 intake. Plenary talk, International Fishmeal and Fish Oil Organization, Vienna, Austria.

Global dietary habits and cardiovascular diseases. Plenary talk, Global Alliance for Chronic Disease (US National Institutes of Health, UK Medical Research Council, Canadian Institutes of Health Research, Australian National Health Medical Research Council, Chinese Academy of Medical Sciences, Indian Council of Medical Research), Delhi, India.

Criteria for determining guidelines and requirements for dietary lipids. Plenary talk, Le Quotidien du Medecin - Symposium on Lipids; Paris, France.

2008

Fish and fish oil containing DHA/EPA for protection from heart disease. Plenary talk, DHA/Omega-3 for Health Symposium, University of Guelph, Toronto, Ontario, Canada.

2007

Consumption of trans fatty acids and human health. Plenary talk, Japan Oil Chemists' Society - International Life Sciences Institute Joint Symposium, Tokyo, Japan.

Health-related topics of trans fatty acids: Epidemiologic perspective. Plenary talk, World Health Organization Scientific Update on Trans Fatty Acids, Geneva, Switzerland.

2006

Fish, n-3 fatty acids, and cardiovascular hemodynamics. Plenary talk, International Forum on n-3 PUFA, Rome, Italy.

Fish, contaminants, and cardiovascular health: Clearing up the confusion about risks and benefits. Research seminar, GISSI Investigator Group, Consorzio Mario Negri Sud, Santa Maria Imbaro, Italy.

Fish, contaminants, and cardiovascular health – the scientific evidence. Grand Rounds, Department of Medicine, University of Chieti, Chieti, Italy.

Fish, contaminants, and cardiovascular health – the scientific evidence. Grand Rounds, Department of Cardiovascular Research, Mario Negri Institute, Milan, Italy.

2005

Fish intake, atrial fibrillation, and insights into potential mechanisms of effect. Grand Rounds, Division of Human Nutrition, Wageningen University, The Netherlands.

Protagonists of global cardiovascular risk – Role of n-3 PUFAs. Session chair, Mediterranean Cardiology Association Meeting, Taormina, Italy.

Estimated effects of replacing partially hydrogenated fats with unhydrogenated fats on cardiovascular health in Iran. Plenary talk, Iranian Society of Atherosclerosis Annual Meeting, Tehran, Iran.

Trans fatty acids and systemic inflammation. Plenary talk, First International Symposium on Trans Fatty Acids and Health, Copenhagen, Denmark.

Fish and cardiovascular health – current evidence, uncertainties, and unanswered questions. Plenary talk, DHA/Omega-3 for Health Symposium, University of Guelph, Toronto, Ontario, Canada.

CLINICAL ACTIVITIES

Licensure and Certification:

2004-present Massachusetts Controlled Substances License

2003-present Physician's License, State of Massachusetts

2001-present Diplomate, Cardiovascular Disease Subspecialty

1998-2008 Diplomate, American Board of Internal Medicine (chose not to renew)

1998 Physician and Surgeon, State of Washington (chose not to renew)

1996-present Drug Enforcement Administration Certification

1996 Physician and Surgeon, State of California (chose not to renew)

Practice Activities:

Cardiology B Team	Inpatient Ward	Cardiovascular Medicine, BWH	Two half-month blocks/year
ECG Reading	Outpatient	Cardiovascular Medicine, BWH	Two one-week blocks/year
Fellows Clinic	Outpatient	Cardiovascular Medicine, BWH	Several half-day blocks/year

Clinical Innovations:

My main research focuses on lifestyle behaviors and cardiometabolic risk factors and diseases, including the key dietary targets and policy strategies to address lifestyle and reduce risk. I also collaborated with Dr. Wayne Levy at U. of Washington to develop the Seattle Heart Failure Model (SHFM), a validated model that predicts survival in heart failure patients, including 5-year mortality and total life expectancy, and determines mortality effects of adding specific drugs or devices to any patient's regimen. Both PC and handheld versions have been released for clinical use, free-of-charge (<http://depts.washington.edu/shfm>); and the SHFM is part of Epocrates tool kit (www.epocrates.com/products/medtools/cardiologyessentials.html). One other collaboration was with Drs. Haiming Cao and Gokhan Hotamisligil to create an invention that provides for a novel lipokine, trans-C16:1n7-palmitoleate, which also serves as a biomarker for metabolic status. More specifically, low concentrations of trans-C16:1n7-palmitoleate the serum indicates a risk of metabolic disease.

Additionally, administering trans C16:1n7-palmitoleate to a subject (via pharmaceutical, nutraceutical, or other means), positively impacts glucose metabolism.

COMMUNITY ENGAGEMENT AND SERVICE

Activities (several of these also listed in other relevant sections above):

- 2006 Speaker, Public Hearing on the Initiative to Ban Trans Fats in New York, New York City Department of Health, New York, NY
- 2006-present Extensive volunteer leadership activities (see section on Committee Service, above), American Heart Association
- 2007 Meeting with congressman and senator staff for advocacy of health care issues, AHA Lobby Day, U.S. Congress and Senate, Washington D.C.
- 2007-2009 Member, Task Force on Trans Fats in the Americas, Pan American Health Organization (PAHO), World Health Organization
- 2007-2014 Member, Expert Advisory Committee, Canadian Health Measures Survey (Canada's NHANES)
- 2008 Speaker, Public Hearing on the Initiative to Regulate Trans Fats in Massachusetts, Commonwealth of Massachusetts Senate Subcommittee on Health, Boston, MA
- 2008 Speaker, NOAA Panel, Boston Seafood Show, U.S. National Oceanic and Atmospheric Administration
- 2008 Speaker, Workshop on Risks of PCB Exposure and Benefits Associated with Consumption of Marine Fish, Massachusetts Department of Public Health, Boston, MA
- 2008-2009 Member, Methylmercury Risk Assessment, Review Group, U.S. Food and Drug Administration, Center for Food Safety and Applied Nutrition
- 2008-2010 Member, Expert Consultation on Fats and Fatty Acids in Human Nutrition, Food and Agriculture Organization of the United Nations / World Health Organization
- 2008-2012 U.S. Department of Agriculture Seafood Education Project Advisory Group, Member, Seafood Education Project Advisory Group, U.S. Department of Agriculture
- 2009 Principal Organizer, Seafood, Environment, and Health Meeting, Harvard School of Public Health, Aramark, Monterey Bay Aquarium, Environmental Defense Fund
- 2009-2012 Member, Catfish Risk Assessment Review Group, U.S. Department of Agriculture
- 2010-2012 Member, Expert Consultation on Risks and Benefits of Fish Consumption, Food and Agriculture Organization of the United Nations / World Health Organization
- 2010-2012 Member, Nutrition Guidance Expert Advisory Group, World Health Organization
- 2010-present Member, Scientific Advisory Committee, Oldways Mediterranean Foods Alliance
- 2011-2012 Member, Healthy Agriculture & Non-Communicable Disease Advisory Group, The Chicago Council on Global Affairs
- 2012-2014 Member, Scientific Advisory Board, Unilever North America
- 2013 Member, NHLBI-ODS Working Group on Designing Clinical Studies to Evaluate the Role of Nutrition and Diet in Heart Failure Management, National Heart, Lung, and Blood Institute and NIH Office of Dietary Supplements
- 2013 Reviewer, Dietary Guidelines, American Diabetes Association
- 2013-2014 Member, Mission Advisory Panel (MAP) on Sugar, Heart and Stroke Foundation, Canada

- 2014-2015 Expert Consultation on Nutrient Profiling in the Americas, Pan American Health Organization (PAHO), World Health Organization
- 2014-present Member, Scientific Advisory Board, Ingredients for Education, a nonprofit creator of KickenNutrition.TV
- 2016 Weight loss challenge talk, Jae Hun Kim Tae Kwon Do, Boston, MA
- 2017 Panelist, House Hunger Caucus, “Hunger, Nutrition, and the Military: Are We Fit to Fight?”, Washington, D.C.
- 2017-2018 Judge, "Best of the Best" Culinary Competition, Massachusetts Health Council, Boston, MA
- 2018 Speaker, House Hunger Caucus, Food is Medicine Working Group, Washington, D.C.
- 2020 Speaker, Food Justice Dinner, Boston College, Boston, MA.
- 2020 Speaker, Chronic Disease Prevention, Barilla Science Discovery Symposium, Virtual.
- 2020 Participant, Immune Health Session, Barilla Science Discovery Symposium, Virtual.

Educational Material for Patients and the Lay Community:

- 2006 Author, Fish Intake, Contaminants, and Human Health: Evaluating the Risks and the Benefits. Part 1 – Health Benefits, BWH Cardiology Rounds, Volume 10, Issue 8
- 2006 Author, Fish Intake, Contaminants, and Human Health: Evaluating the Risks and the Benefits. Part 2 – Health Risks and Optimal Intakes, BWH Cardiology Rounds, Volume 10, Issue 9
- 2008 Co-author, Trans Fat, Internet webpage, American Heart Association
- 2008 Co-author, Fats and Cholesterol: Out with the Bad, In with the Good, Internet webpage, HSPH Nutrition Source
- 2008-present Author, Fish Oil and Marine Omega-3 Fatty Acids, Regularly updated online chapter in UpToDate
- 2010 Medical Editor, Vitamins and Minerals: What You Need to Know, Harvard Medical School Special Health Report
- 2011 Medical Editor, Healthy Food for the Heart, Harvard Medical School Special Health Report
- 2012 Medical Editor, The Truth about Vitamins and Minerals: Choosing the Nutrients You Need to Stay Healthy, Harvard Medical School Special Health Report
- 2012 Advisor, National Geographic Seafood Decision Guide, National Geographic, at ocean.nationalgeographic.com/ocean/take-action/seafood-decision-guide/
- 2016-present Author, Dietary Fats, Regularly updated online chapter in UpToDate
- 2016-2019 Editorial Advisor, Tufts Nutrition Magazine
- 2016-present Editor-in-Chief, Tufts Health & Nutrition Newsletter
- 2018 Book foreword, The Diabetes Cookbook, America’s Test Kitchen

SCHOLARSHIP

Doctoral Thesis:

Mozaffarian D. Fatty Acids and Cardiovascular Health (2006). Doctorate in Public Health (DrPH), Epidemiology, Harvard School of Public Health. (mentor: Rimm)

Peer-Reviewed Publications

Research investigations

1. Nicholls SJ, Lincoff AM, Garcia M, Bash D, Ballantyne CM, Barter PJ, Davidson MH, Kastelein JJP, Koenig W, McGuire DK, **Mozaffarian D**, Ridker PM, Ray KK, Katona BG, Himmelmann A, Loss LE, Rensfeldt M, Lundström T, Agrawal R, Menon V, Wolski K, Nissen SE. Effect of High-Dose Omega-3 Fatty Acids vs Corn Oil on Major Adverse Cardiovascular Events in Patients at High Cardiovascular Risk: The STRENGTH Randomized Clinical Trial. *JAMA*. 2020 Nov 15.
2. Hager K, **Mozaffarian D**. The Promise and Uncertainty of Fruit and Vegetable Prescriptions in Health Care. *J Nutr*. 2020 Oct 6:nxaa283.
3. Pomeranz JL, Wilde P, **Mozaffarian D**, Micha R. Mandating Front-of-Package Food Labels in the U.S. - What are the First Amendment Obstacles? *Food Policy*. 2019 Jul;86:101722.
4. Miller V, Webb P, Micha R, **Mozaffarian D**; Global Dietary Database. Defining diet quality: a synthesis of dietary quality metrics and their validity for the double burden of malnutrition. *Lancet Planet Health*. 2020 Aug;4(8):e352-e370.
5. Wang J, Masters WA, Bai Y, **Mozaffarian D**, Naumova EN, Singh GM. The International Diet-Health Index: a novel tool to evaluate diet quality for cardiometabolic health across countries. *BMJ Glob Health*. 2020 Jul;5(7):e002120.
6. Pomeranz JL, Huang Y, **Mozaffarian D**, Micha R. Legal Feasibility and Implementation of Federal Strategies for a National Retail-Based Fruit and Vegetable Subsidy Program in the United States. *Milbank Q*. 2020 Jul 21.
7. Fleischhacker SE, Woteki CE, Coates PM, Hubbard VS, Flaherty GE, Glickman DR, Harkin TR, Kessler D, Li WW, Loscalzo J, Parekh A, Rowe S, Stover PJ, Tagtow A, Yun AJ, **Mozaffarian D**. Strengthening national nutrition research: rationale and options for a new coordinated federal research effort and authority. *Am J Clin Nutr*. 2020 Jul 20:nqaa179.
8. Corradi D, Saffitz JE, Novelli D, Asimaki A, Simon C, Oldoni E, Masson S, Meessen JMTA, Monaco R, Manuguerra R, Latini R, Libby P, Tavazzi L, Marchioli R, Dozza L, Cavallotti L, Aleksova A, Gregorini R, **Mozaffarian D**. Prospective Evaluation of Clinico-pathological Predictors of Post-operative Atrial Fibrillation: An Ancillary Study from the OPERA Trial. *Circ Arrhythm Electrophysiol*. 2020 Jul 12.
9. Woodside JV, Klassen Wigger P, Legrand P, Mensink RP, **Mozaffarian D**, Sievenpiper J. Integrating nutrition science and consumer behaviour into future food policy. *EFSA J*. 2019 Jul 8;17(Suppl 1):e170719.
10. Downer S, Berkowitz SA, Harlan TS, Olstad DL, **Mozaffarian D**. Food is medicine: actions to integrate food and nutrition into healthcare. *BMJ*. 2020 Jun 29;369:m2482.
11. Lee Y, **Mozaffarian D**, Sy S, Liu J, Wilde PE, Marklund M, Abrahams-Gessel S, Gaziano TA, Micha R. Health Impact and Cost-Effectiveness of Volume, Tiered, and Absolute Sugar Content Sugar-Sweetened Beverage Tax Policies in the United States: A Microsimulation Study. *Circulation*. 2020 Jun 22.
12. Imamura F, Fretts AM, Marklund M, Ardisson Korat AV, Yang WS, Lankinen M, Qureshi W, Helmer C, Chen TA, Virtanen JK, Wong K, Bassett JK, Murphy R, Tintle N, Yu CI, Brouwer IA, Chien KL, Chen YY, Wood AC, Del Gobbo LC, Djousse L, Geleijnse JM, Giles GG, de Goede J, Gudnason V, Harris WS, Hodge A, Hu F; InterAct Consortium, Koulman A, Laakso M, Lind L, Lin HJ, McKnight B, Rajaobelina K, Riserus U, Robinson JG, Samieri C, Senn M, Siscovick DS, Soedamah-Muthu SS, Sotoodehnia N, Sun Q, Tsai MY, Tuomainen TP, Uusitupa M, Wagenknecht LE, Wareham NJ, Wu JHY, Micha R, Lemaitre RN, **Mozaffarian D**, Forouhi NG. Fatty acids in the de novo lipogenesis pathway and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. *PLoS Med*. 2020 Jun 12;17(6):e1003102.

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16. Lizewski L, Flaherty G, Wilde P, Brownson R, Wang C, Maitin-Shepard M, Li Y, **Mozaffarian D**, Zhang FF. Federal, State, and Local Nutrition Policies for Cancer Prevention: Perceived Impact and Feasibility, United States, 2018. *Am J Public Health*. 2020 Jul;110(7):1006-1008.
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450. Syllabus: Cardiovascular Epidemiology (Epi 223), Harvard School of Public Health. Doctoral, masters, and medical students. Used locally for this core graduate course in cardiovascular epidemiology. First written in 2007 in my role as course director; updated annually, latest update in 2013.
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