

SIMIN NIKBIN MEYDANI, D.V.M., Ph.D,
Director, Jean Mayer-USDA Human Nutrition Research Center on Aging at Tufts University
Senior Scientist and Director of Nutritional Immunology Lab
Professor of Nutrition and Immunology, Tufts University, Boston, MA

Home Address: 650 Centre Street, Newton, MA 02458
Telephone: 617-620-7822
Email: smeydani85@gmail.com

Educational Background:

2005-06	Fellowship	Hedwig van Amerigen Executive Leadership in Academic Medicine Program, Drexel University College of Medicine, Philadelphia, PA
1985	Certificate	Molecular Immunology, Marine Biological Laboratory, Woods Hole, MA
1981	Ph.D.	Nutrition, Iowa State University, Ames, IA
1977	M.S.	Nutrition, Colorado State University, Ft. Collins, CO
1975	D.V.M.	Veterinary School, Tehran University, Tehran, Iran

Academic and Administrative Positions:

1983-Present JM-USDA Human Nutrition Research Center on Aging at Tufts University:

2009-Present	Director
2005-2009	Associate Director
1990-Present	Director, Nutritional Immunology Laboratory
1994-Present	Senior Scientist
1989-1994	Scientist I
1984-1989	Scientist II
1983-1984	Visiting Scientist

1984-Present Friedman School of Nutrition Science and Policy at Tufts University:

2001-2005	Director, Cell and Molecular Nutrition Program
1994-Present	Professor of Nutrition
1989-1994	Associate Professor of Nutrition
1984-1989	Assistant Professor of Nutrition

1996-Present	Professor of Immunology, Sackler Graduate School of Biomedical Sciences, Tufts University School of Medicine
1983-1984	Senior Research Associate, Department of Biology, Brandeis University
1981-1983	Postdoctoral Research Fellow in Nutrition, School of Public Health, Harvard University
1980-1981	Temporary Instructor in Nutrition, Iowa State University
1978-1980	Research Assistant, Food and Nutrition Department, Iowa State University
1976-1978	Research Assistant, Department of Food Science and Nutrition, Colorado State University

Director, JM-USDA HNRCA at Tufts University (2009-Present)

JM USDA-HNRCA facts:

The HNRCA staff conducts advanced studies on nutrition and aging. HNRCA is one of the six human nutrition research centers in the United States, supported by the USDA/ARS, and operated by Tufts University through a cooperative agreement. Total budget is >\$24 million, about half of which is provided by the USDA and the other half from NIH, industry and foundations. Housed in a 14-story, 210,000 sq. ft. research facility, the HNRCA has 19

laboratories and 9 core units including metabolic research unit and animal facilities, and 260 staff of which about 80 have a Ph.D., M.D., and/or D.V.M.

Major duties:

Reports to the Tufts University Provost and Senior Vice President, and in collaboration with the USDA's Agriculture Research Service (ARS) Area Director, I am responsible for determining and implementing long-range strategic direction and Center priorities – in scientific research, education and outreach, and institution building; recruiting, developing, and mentoring experienced as well as young scientists and staff; assessing the performance and results of the Center's multi-disciplinary translational programs/laboratories, and guiding laboratory directors as they set individual and team performance expectations for the coming year.

Initiates and engages in community education and outreach efforts; secures resources and generates support – from governments, industry, and foundations; represents the Center to its varied stakeholders, the public and the media; teaches and engages with students in the School of Nutrition and Medical School; oversees compliance with all federal and University policies related to personnel, laboratory safety, IRB, IACUCC, and conflict of interest and technology transfer.

As an active member of Tufts President's Academic Council and Provost's Council, participates in Tufts University leadership initiatives and collaborates with Deans across the University's basic and life sciences, arts and humanities, law and public policy, and engineering communities.

As one of six USDA Human Nutrition Research Center Directors nation-wide, participates with ARS area director and USDA National Program Leaders in developing criteria for programmatic and budgetary priorities in the area of human nutrition research.

Major accomplishments:

- Completed and published the first strategic plan in the 30 year history of the Center to set the next 5 years' priorities in research, education, community and global outreach, and institution building
(http://www.tufts.edu/hnrca/webcm/docs/HNRCA_Strategic_Plan_Final.pdf)
- Created two new core facilities: Functional Genomics and Dietary Assessment
- Increased collaboration within the Center by establishing four inter-disciplinary Research Clusters in Obesity, Inflammation, Immunity and Infectious Diseases, Cancer, and Cardiovascular Diseases.
- Re-organized existing strengths in neuroscience into a new translational laboratory and secured additional funding from the ARS and the University to recruit a new high profile laboratory leader to address the ever growing challenge of age-associated cognitive impairment.
- Supported professional development for scientists, postdoctoral fellows, students and staff by providing training opportunities in leadership and customer service, facilitating cross-lab collaboration including post-docs and junior scientists, and securing internships and research opportunities in Center labs for graduate students
- Helped the Tufts President and Provost establish "Active and Healthy Aging" as one of the, soon to be announced, university-wide thematic areas.
- Enhanced cross-University collaboration by:
 - increasing adjunct scientist appointments in the Center for faculty from other Tufts schools

- contributing to training grants, minority undergraduate educational grants, and multi-PI grants,
 - Strengthened the HNRCA seminar series by bringing in high caliber speakers with broader appeal to biological scientists across the University.
- Increased Center visibility by hosting high profile symposia, nominating Center scientists for national and international awards, hosting key decision makers at the Center, and communicating Center's accomplishments inside and outside Tufts.
 - Increased the Center's community engagement by partnering with the Mayor of Somerville to initiate programs to enhance active and healthy aging for the town's older residents.
 - Improved Center staff morale and sense of community by increasing transparency and communication and by including scientists and staff in Center decision making processes.
 - Started exercise and weight loss programs, and a mothers' lounge for HNRCA scientists and staff.
 - Increased scientists' salaries, oversaw major lab and office renovations (totaling \$9.6 M), and acquired scientific equipment (>\$4 M).
 - Secured fund raising resources: hired a grant manager to facilitate identification of new funding sources as well as submission of proposals; instituted a \$400,000/year pilot grant program; and secured from the University, for the first time, Center-specific development personnel for participation in the next Capital Campaign.
 - Enhanced the Center's Intranet to increase compliance with regulatory bodies.

Associate Director, JM-USDA HNRCA at Tufts University (2005-2009)

Major duties:

Reported to the Center Director, and acted as a the Director's business partner on a wide variety of research and management issues: expanding extramural sources of funding; directing research staff including Laboratory Directors and Core Unit Managers (including Metabolic Research Unit, and animal facility), overseeing annual projects involving core service units/laboratories; and decision making on financial and other major issues confronting the Center. In conjunction with the Center Director, represented the Center to HNRCA scientists, senior management, faculty across the university, the USDA, other academic institutions and the private sector.

Major accomplishments:

- Chaired the MRU Evaluation and Reorganization Committee, implemented major culture and personnel changes. Results: improved efficiency and revenue generation, grants cost recovery close to \$100,000/year.
- Worked with the Core Unit managers, addressed efficiency, revenue generation and customer satisfaction. Results: greatly increased cost recovery, improved customer satisfaction, and expedited research
- Worked with the Director and the Administrative Director, increased transparency, accountability, and equitable distribution of Center resources among labs and programs.
- Fostered collaboration between USDA Centers: organized collaboration between HNRCA and USDA Eastern Regional Research Center (EERC), which yielded funds for HNRCA-EERC collaborative studies.
- Developed strategic alliances with Unilever and Kraft and signed master agreements with both. Unilever committed to 1 M Euro in research support to the Center. Kraft has supported 4 research projects.

- Helped initiate and oversee mentoring program for junior scientists at HNRCA; produced recommendations for improving postdoctoral experience at Tufts as a member of university-wide committee.
- Increased the Center's visibility world-wide: hosted USDA -EU Biotechnology meeting on behalf of the Center and the annual international meeting of the American Aging Association (largest number of attendees and largest amount of funds raised in the history of the association to that date).

Director of the Cell and Molecular Nutrition Program (2001-2005)

Program facts and major duties: The program started in 2000 to address the increased need for training of nutritionists with knowledge and expertise in cell and molecular biology. Reported to the Dean of Tufts Friedman School of Nutrition Science and Policy, oversaw all aspects of the Cell and Molecular Nutrition Program including student recruitment and admission, curriculum development, student progress and compliance with school and university requirements, and ensured cohesion with other programs.

Major accomplishments:

- Increased the number of enrolled students.
- Submitted, with assistance of other faculty, a training grant and obtained funding to train Ph.D. students in Cell and Molecular Nutrition using a novel Co-mentoring program between faculty of School of Nutrition and Sackler Graduate Program at Tufts.
- Increased enthusiasm for graduate studies in the molecular basis of nutrition.

Director Nutritional Immunology Laboratory (NIL):

Major duties:

Oversees the Nutritional Immunology Laboratory's research and management needs including: fiscal solvency and expanding intra- and extra-mural sources of funding; directing and developing research staff and mentoring graduate students, postdoctoral fellows, junior faculty and visiting scientists; maintaining a high level of research productivity; meeting USDA required mandates; complying with all federal and Tufts policies for personnel and laboratory safety; facilitating collaboration within and outside of HNRCA; and contributing to overall productivity and visibility of HNRCA to achieve its mandated mission.

Laboratory facts:

Established in 1990, consists of Scientists (faculty), postdoctoral fellows, graduate students, visiting scientists, technicians and other support staff (currently 3 full and part time scientists, 2 adjunct scientist, 2 postdoctoral fellows, 3 graduate students, 2 research technicians, 2 visiting scientists, ½ FTE administrative assistant) supported by funds from USDA, NIH, industry and foundations (current year approximately \$1,800,000).

Major accomplishments:

- Established the first Nutritional Immunology Laboratory for the USDA.
- Grew the laboratory from a program with a small budget (\$116,000) and staff (2) to a nationally and internationally known research group many times its original size and budget. PI on funded research totaling > 16 M. Co-Investigator on additional grants totaling >24 M.
- The laboratory has made significant contributions to the fields of nutrition, aging and immunology by determining the molecular basis of age-related changes in immune response

and pathogen virulence and by determining the effect of nutrients on the immune response, and their implications for health promotion and prevention of diseases.

- The accomplishments of the program have been recognized by the scientific community through bestowing of awards, invitations to present at meetings, and invitations to serve on national and international committees.

Awards and Honors:

Awards:

- Helen LeBaron Hilton Distinguished Alumni Award, Iowa State University, 2011
 - Food Science and Human Nutrition Alumni Impact Award, Iowa State University, 2011
 - Jean Andrews Centennial Visiting Professorship, University of Texas, Austin, Texas, 2010
 - Robert H. Herman Award in Clinical Nutrition, American Society of Nutrition, 2008
 - Hedwig van Amerigen Executive Leadership in Academic Medicine Program (Drexel University College of Medicine), 2005-2006
 - President, American Aging Association, 2005-2006
 - President-Elect, American Aging Association, 2004-2005
 - Denham Harman Life Time Research Achievement Award, American Aging Association, 2003
 - Grace Goldsmith Award. American College of Nutrition, 2001
 - Malcolm Trout Annual Visiting Scholar. Michigan State University, 2001
 - American Institute of Nutrition Lederle Award in Human Nutrition, 1998
 - Welcome Visiting Professorship, Iowa State University, 1998
 - Tufts University Faculty Recognition for Outstanding Achievement (1995-96, 1997-1998)
 - International Nutritional Immunology Group Award, 1993
 - International HERMES Vitamin Research Award, 1993
 - Denham Harman Lecture Award of American College of Advancement in Medicine, 1990
 - USDA-ARS Citation of Merit for manuscript "Vitamin E Enhances Cell-Mediated Immunity in Healthy Elderly Subjects," Meydani et al., Am J Clin Nutr 52:557-563, 1990."
 - Phi Kappa Phi, 1978
 - Omicron Nu (Home Economics Honor Society), 1978
 - Gamma Sigma Delta (Honor Society of Agriculture), 1978
 - Pahlavi Royal Gold Medal for outstanding Tehran University college graduate, 1975
 - Alborz Institute Award as valedictorian of Tehran University Veterinary School class, 1975
- Other Honors

Other Honors:

- Co-chair and Organizer, FASEB Summer Conference on Nutrition and Immune Response, 2003, 2007, 2011
- Co-organizer, Women in Science & Medicine Symposium for American Society for Nutrition at Experimental Biology 2010, Anaheim, California.
- Chair, Tufts Women in Science, Engineering and Medicine Symposium, 2008, Boston, MA
- Organizer and Chair: Aging: Mechanism and Prevention: 35th Annual Meeting of AGE, Boston, June 2006.
- Organizing Committee, First and Second International Aging and Immunology Meeting, 1998, 2001
- Chair and Organizing Committee, International Life Sciences Institute Conference on Nutrition and Immunity, 1997

Awards received by advisees:

- **Maria Carlota Dao**, FASEB Summer Research Conference 2011, Abstract Travel Award, Carefree, Arizona

- **Maria Carlota Dao**, FASEB Minority Access to Research Careers (MARC) Best Poster Award. EB2011, Washington, DC
- **Sarah E. Belisle**, Nutritional Immunology Research Interest Section (RIS) Student Poster Competition, EB2009
- **Sarah Belisle**, American Oil Chemists Society Honored Student Award, 2008; Health and Nutrition Division Student Excellence Award, 2008
- **Raina T. Gay**, Munro Postdoctoral Award for Research Excellence, 2007; Walter R. Nicolai Pre-Doctoral Award American Aging Association, 2005; American Society of Nutritional Sciences, Nutritional Immunology Research Interest Section Graduate Student Wyeth Poster Award, 2004; American Oil Chemists' Society Honored Student Award, 2004; American Society of Nutritional Sciences, Nutritional Immunology Research Interest Section Graduate Student Poster Award, 2003; Glenn/AFAR Scholarship for Research in Biology of Aging, 2002
- **Melissa Marko**, Walter R. Nicolai Award, American Aging Association, 2006; American Oil Chemists Society Outstanding Paper Presentation, 2006; American Oil Chemists Society Honored Student Award, 2006; American Society for Nutritional Sciences Procter & Gamble Graduate Student Research Award, 2006; Fellowship Award from New York Academy of Sciences at the Vitamin E and Health Conference, Boston, MA, 2004; Oxygen Club of California/BASF Young Investigator Award, 2004; Unilever Health Institute Scholarship, 2003
- **Tanvir Ahmed**, Paul F. Glenn Post-Doctoral Award of the American Aging Association, 2005; Fellowship Award from New York Academy of Sciences at the Vitamin E and Health Conference, Boston, MA, 2004; Oxygen Club of California/BASF Young Investigator Award, 2004
- **Kate J. Claycombe**, American Aging Association Paul E. Glenn Postdoctoral Award, 2000
- **Oskar Adolfsson**, American Society for Nutritional Sciences Procter and Gamble Graduate Student Award, 2001; Nutritional Immunology Research Interest Section, Poster Award, 2001
- **Sung Nim Han**, American Aging Association Walter Nicolai Predoctoral Award, 1997
- **Michael G. Hayek**, American Aging Association Paul Glenn Postdoctoral Award, 1996
- **Alison A. Beharka**, Outstanding Young Scientist Poster Presentation, First International Conference on Immunology and Aging, 1996
- **Michelle Santos**, American Oil Chemist Society Best Student Poster Award, 1995
- **Alice Shapiro**, American Dietetic Association Best Student Paper Award, 1992

Committee Memberships: 1987-Present:

Government & International Advising Committees membership:

2011-Present	Data and Safety Monitoring Board, Member, for "Vitamin D and Immunosenesence in Older Long-Term Care Residents", PI Adit Ginde, MD K23 AG040708
2009-Present	VIGOR Project Advisory Board [Correction of the unbalanced diet for the preVentlon of multiorGan functiOnal decline in the elderly]
2009-Present	Aging Systems and Geriatrics (ASG) Study Section
2009-Present	External Advisory Group, Harvard Clinical Nutrition Research Center funded by NIDDK.
2008-Present	Lipid Maps Scientific Advisory Committee: NIH-funded Consortium
2007-2009	Cellular Mechanism of Aging and Development (CMAD) Study Section
2006	ARS Human Nutrition National Program Stakeholders Workshop, Baltimore, Maryland
2002-2007	Center for Scientific Review Special Emphasis Panel (March and November)
2002-2007	NIA Data and Safety Monitoring Board: Physical Activity, Aging, and Immune Function Project University of Illinois, Urbana/Champaign
2001-2008	Scientific Advisory Board, NIA Calorie Restriction Program in Primates

1996-2001 Scientific Advisory Board, UCLA Claude Pepper Center for Older Americans, Los Angeles, California
 1998 FAO/WHO Joint Expert Committee report on "Nutritional Requirements of the Aged"
 1994-2000 NIA Geriatric Rehabilitation Study Section
 1994 FAO/WHO Joint Expert Committee report on "Fats and Oils in Human Nutrition": responsible for preparation of the report on dietary lipids and immune response
 1993-1996 USDA Human Nutrient Requirements for Optimal Health Program Grant Review Panel
 1992 NIH Nutrition Study Section, Academic Research Achievement and Small Business Innovation Research Award
 1992 NIA Immunobiology Study Section, Ad hoc Review Committee
 1991 NIH Nutrition Study Section for Academic Research Achievement Award

Industry and Foundations:

2011-Present Scientific steering committee of the Sackler Institute Monitoring & Evaluation Group, New York Academy of Sciences
 2009-Present Activia and DanActive Advisory Board
 2006-2007 Novartis Geriatric Advisory Panel
 2005-Present Dannon-Yakult Scientific Advisory Board
 2004-2006 Bayer Consumer Care Advisory Board
 2004-Present The Beverage Institute for Health and Wellness, Scientific Advisory Board, Coca Cola Company
 2003-2006 International Scientific Advisory Board for Research on Actimel, Danone Vitapole
 2002-2004 Novartis Medical Nutrition, Scientific Advisory Board
 2001-2004 The Minute Maid Company, Scientific Advisory Board
 1998-2003 Ocean Nutrition Canada, Ltd, Scientific Advisory Board
 1996-1999 AFAR Grant Review Committee
 1991-1995 National Dairy Council, Nutrition Research Scientific Advising Committee

Tufts University:

2009-Present Tufts President Academic Council, Member
 2009-Present Provost's Council, Member
 2006-2008 Friedman School Annual Signature Symposium organizing committee; **Co-Chair, 2006 Meeting**
 2004-2006 Postdoctoral Task Force
 2005-Present Scientific Advisor, Pre-doctoral NIA training grant, Friedman School of Nutrition Science and Policy at Tufts University
 2004-2009 Data Safety Monitoring Committee for DIET Study (Nutrition Intervention for Metabolic Complications in HIV+), Tufts University School of Medicine
 2003-2006 Finance and Fundraising Committee, Friedman School of Nutrition Science and Policy at Tufts University; **Chair, 2003-2004**
 2002-2004 Dean's Council, Friedman School of Nutrition Science and Policy at Tufts University
 2002-2009 University Research Council
 2002-2005 University Academic and Scientific Fraud Committee
 2001-Present Ross Aging Initiative Steering Committee
 1995-1998 Appointment and Promotion Committee, Friedman School of Nutrition Science and Policy at Tufts University
 1992-Present Steering Committee, Pre-doctoral NIA training grant, Friedman School of Nutrition Science and Policy at Tufts University
 1988-1990 Admissions Committee, Friedman School of Nutrition Science and Policy at Tufts University

IMUSDA-HNRCA:

2007	Chair , Metabolic Research Unit Evaluation and Reorganization Committee
2003-2005	Chair , Animal Users Committee
2003-Present	Executive Committee
2001-Present	Awards and Mentoring Committee
1990-2003	Animal Care and Use Committee, Chair , 1990-1993
2000-2001	Chair , Retreat Committee
1998-Present	Promotions Committee
1988-1991	Chair , Seminar Series
1995-2002	Safety Committee
1987	Comparative Biology and Medicine Task Force

Professional Societies Memberships and Leadership Roles, Past and Present:

- International Society for Executive Leadership in Medicine
- American Society of Nutritional Sciences/American Society of Clinical Nutrition
- American Aging Association
- American Geriatric Society
- American Association of Immunologists
- Oxygen Club of California
- American College of Nutrition
- New York Academy of Sciences
- American Association for the Advancement of Science
- International Association for Vitamins and Nutritional Oncology
- Sigma Xi (Scientific Research Society)
- American Oil Chemists Society
- International Society for the Study of Fatty Acids and Lipids
- International Nutritional Immunology Group
- Gerontological Society of America

Leadership Roles in Professional Societies:

2011	Local Program Committee Chair of the 2011 Gerontological Society of America, Boston, MA
2011	Organizer, Metabolic Regulation and Immune Cells: Implication for Chronic and Infectious Diseases, American Society of Nutrition, Experimental Biology
2010 -Present	Strategic Oversight Committee of the American Society for Nutrition (ASN) Fellows Committee of the American Society for Nutrition (ASN)
2010-2011	Nutrition Society Irish Section Meeting 2011 and the American Society for Nutrition, "Vitamins in Early Development and Healthy Aging" Scientific Steering Committee, Cork, Ireland
2010-Present	American Society of Nutrition Liaison to Association of Nutrition Department Chairs
2010	Organizer, Women in Science & Medicine Symposium for American Society for Nutrition at Experimental Biology 2010, Anaheim, California. Co-chair, Development Committee International Society for Executive Leadership in Medicine
2005-2006	President-Elect, American Aging Association
2001-Present	Board of Directors, American Aging Association
1994-1995	Fundraising Committee, American Aging Association
2006	Journalism and Elvehjem Conrad Award Selection Committees of American Society for Nutrition
1999-2001	Chair, American Society of Nutritional Sciences, Nutritional Immunology Research Interest Group
1998-1999	Chair, Bio Serv Award Nominating Committee, American Society for Nutrition
2002-2005	Membership Committee, American Society for Nutrition

2001-2002 Young Investigator Award selection Committee of American Clinical Nutrition
1996-1998 Bio Serv Award Nominating Committee, American Society for Nutrition
2001-2005 Chair, Council on Immunology, Hematology, and Oncology American College of Nutrition
1990 Chair, Review Committee on Sunflower and Soybean Oil Safety, American College of Nutrition
1989 Review Committee on Corn Oil Safety, American College of Nutrition
1993-1996 Nutrition Steering Committee, Gerontological Society of America

Editorial Board Member and Journal Reviewer: 1987–Present:

Editorial Board Member:

2008-Present Functional Food Reviews
2006-2010 Journal of the American Medical Directors Association
2003-Present American Journal of Clinical Nutrition
2001-Present Journal of Nutritional Biochemistry
2000-2003 Journal of Experimental Biology and Medicine
1990-Present Journal of Nutritional Immunology
1993-Present Nutrition Research
1991-1995 Journal of Nutrition

Reviewer:

Nature
Journal of Immunology
Journal of American Clinical Nutrition
Journal of American College of Nutrition
Journal of American Medical Association
Journal of American Oil Chemists Society
Biochem Biophys Acta
Journal of Nutrition and Cancer
New England Journal of Medicine
American Journal of Physiology
Immunology
Journal of Infectious Diseases
Journal of Leukocyte Biology

Research Support:

Funded:

- 1) Nutrition, Aging, and Immune and Inflammatory Responses in Health and Disease, (CRIS) USDA contract #53-2K06-1, \$332,977, 10/1/00-Present, renewable annually, Simin N. Meydani, CRIS leader.
- 2) The Addition of Whole Grains to the Diets of Adults: A Study of Digestive Health and Natural Defenses, General Mills, \$761,946, 4/5/11-4/30/13, Simin Nikbin Meydani, Principal Investigator with Co-PI, Mohsen Meydani.
- 3) Calorie Restriction and Immune Response in Humans, NIH, \$1,001,100, 4/1/07-3/31/13, Simin N. Meydani, Principal Investigator.
- 4) Effect of White Button Mushroom Supplementation on Resistance to *Salmonella* Infection, and Immune Response in an Animal Model, The Mushroom Council, \$218,861, 10/1/11-9/30/13, Simin Meydani, Co-Investigator.

- 5) FASEB SRC on Nutritional Immunology: Its effects on health and disease, NIH/NIDDK, \$23,500, 6/1/2011-5/31/2012, Simin Meydani, Principal Investigator with Co-PI Melinda Beck.
- 6) Effect of Olive Oil Supplementation on Immune and Inflammatory Responses of Elderly. Consejo Superior de Investigaciones Cientificas, \$246,473, 6/1/2010-10/14/2012. Simin N. Meydani, Principal Investigator.
- 7) Green Tea EGCG and T Cell Function in Autoimmune Inflammation. USDA, \$500,000, 12/1/09-11/30/12. Dayong Wu, Principal Investigator with Simin N. Meydani, Co-Investigator
- 8) Hepcidin as a Link Between Iron Status and Immunity in Obesity – A Caloric Restriction Study, Simin Meydani, Principal Investigator with Carlota Dao, Co-Investigator, HNRCA Pilot Study Grant Program \$9,349. 7/2010-7/2011
- 9) Effect of Dietary Supplementation with Wolfberry and Probiotics on Viral Infection. Nestle, \$755,462 9/1/2008-8/30/2011, Simin Nikbin Meydani, Principal Investigator.
- 10) Age-related Changes in the Proteome and Lipodome of the Immunological Synapse, NIH, \$434,500, 7/1/07-6/30/11, Simin Meydani, Principal Investigator.
- 11) Calorie Restriction and Immune Response in Humans, NIH, Supplement, 4/1/07-3/31/12, \$189, 570, Simin N. Meydani, Principal Investigator.
- 12) Maternal Obesity and Offspring Immune Dysregulation. Tufts Medical Center Research Fund, \$50,000, 2/1/10-1/31/11, Simin N. Meydani, Co-investigator with Principal Investigator, Sarbattama Sen.
- 13) Aging, Vitamin E, and Immune Function in Aged, NIA, \$1,400,000, 09/30/2003-08/31/2008, (No cost extension in 2009-2010), Simin N. Meydani, Principal Investigator.
- 14) Oxidant Balance in Maternal Obesity. Natalie V. Zucker Foundation Grant for Women Scholars, \$5,000, 5/1/09-4/30/10, Simin N. Meydani, Co-Investigator with Principal Investigator, Sarbattama Sen.
- 15) Rapid Estimation of Influenza Vaccine Effectiveness in a Wisconsin Population Cohort, CDC, \$2,439,305, 6/1/2008-7/31/2011, Edward Belongia, Principal Investigator with Simin N. Meydani as Co-I and PI of Tufts subcontract for nutrient analysis.
- 16) Boston OAIC: A Translational Approach to Function Promoting Anabolic Therapies, NIH, \$8,224,193, 4/12/08-3/31/2013, Shalender Bhasin, Principal Investigator with Simin N. Meydani as Co-I and Co-Director of Research Career Development Core and Pilot/Exploratory Studies Core.
- 17) Zinc Intervention in Nursing Home Elderly, (Pilot Study) \$61, 254, 4/1/08-3/31/09, Simin N. Meydani, Principal Investigator.
- 18) Effect of Mushroom Supplementation on Resistance to Influenza Infection, Mushroom Council, \$104,339 direct cost, 10/08-4/10. Simin N. Meydani as Co-Investigator.
- 19) Phytonutrient Suppression of Wnt Signaling in Cancer, NCI, \$1,981,250, 12/1/03-11/30/08, Amy Yee, Principal Investigator with Simin N. Meydani as Co-Investigator

- 20) Nutritional Immunology: Its Impact on Health and Disease, (R13) NIDDK, \$56,750, 6/1/07-8/30/07, Simin N. Meydani, Principal Investigator with Pam Fraker as Co-Principal Investigator.
- 21) Aging: Mechanism and Prevention: 35th Annual Meeting of AGE, NIH, \$50,000., 5/1/06-7/31/06, Simin N. Meydani, Principal Investigator.
- 22) Effect of Short Term Supplementation with Lactobacillus Acidophilus (LBA) LAFTI L10 on resistance to influenza infection in young and old mice, DSM, \$197,589, 2/1/06-1/31/07, Simin N. Meydani, Principal Investigator.
- 23) The Effects of Vitamin E on Gene Expression in Murine Lymphocytes. BASF Aktiengesellschaft, €40,000, 2/1/06-1/31/07, Simin N. Meydani, Co-Principal Investigator.
- 24) Effect of Mushroom Supplementation on Innate Immune Response. Mushroom Council, \$60,000, 6/1/05-12/31/06, Dayong Wu, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 25) Vitamin E and Infection in the Elderly, NIA, \$1,750,261, 5/15/97-4/30/04, Simin N. Meydani, Principal Investigator.
- 26) Vitamin E and Infection in the Elderly-Supplement, NIA, \$220,416, 6/15/01-4/30/04, Simin N. Meydani, Principal Investigator.
- 27) Nutrition, Immunity & Health Status of Elderly Ecuadorians, Fogarty International Research Collaborative Award (FIRCA), \$145,200, 7/1/02-6/1/06, Simin N. Meydani, Principal Investigator.
- 28) Mechanism of Autoantibody Formation in Human Aging, NIA, \$713,250, 7/1/01-6/3/04, David Stollar, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 29) Impact of Nutritional Status on Immune Function and Health Conference, NIH, \$28, 010, 7/5/03-7/10/03, Pamela J. Fraker, Simin N. Meydani Co-Chairs.
- 30) Cryptosporidiosis Among the Elderly in Massachusetts, Tufts University Ross Aging Initiative, \$8000, 6/1/01-5/30/02, Elena Naumova, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 31) Dietary Fat, Plasma Lipids and other CHD Risk Factors, NIH, \$1,532,220, 9/1/00-8/30/04. Alice H. Lichtenstein, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 32) Dietary Energy Restrictions and Metabolic Aging in Humans, NIH, \$7,571,404, 9/1/01-8/31/08, Susan B. Roberts, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 33) Vitamin A and Zinc-Prevention of Pneumonia (VAZPOP), NIH, \$2,636,243, 12/1/99-11/30/2004, Jeffrey K. Griffiths, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 34) Nutrition, Immunology, and Epidemiology of TB, NIH, \$1,598,489, 6/1/99-7/31/06, Wafaie Fawzi, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 35) Aging, Vitamin E, and Macrophage Cyclooxygenase Regulation, NIA, \$769,143, 7/1/98-3/30/03, Simin N. Meydani, Principal Investigator.

- 36) Nutrition and Oral Infectious Disease Workshop, NIH, \$40,000, 11/5/00-11/7/00, Dominick DePaola and Simin N. Meydani as Co-Chairs.
- 37) Characterization of the Gut-associated Immune Response of the elderly, Bristol-Myers Squibb Company, \$35,000, 11/1/95-10/30/97, Simin N. Meydani, Principal Investigator.
- 38) Effect of Dietary Vitamin E Supplementation on Young and Old Canine Immune Response and Oxidative Stress Status, The Iams Company, \$101,486, 1/1/97-12/30/99, Co- Principal Investigators, Mohsen Meydani and Simin N. Meydani.
- 39) Vitamin E and the Aging Immune Response, NIA, \$308,419, 4/1/94-3/30/97, Simin N. Meydani, Principal Investigator.
- 40) Vitamin E Requirement of Elderly with High (n-3) PUFA Intake, NIA, \$428,434, Mohsen Meydani, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 41) Dietary energy Restriction and Metabolic Aging in Women, NIA, \$769,878, 12/1/94-11/30/97, Susan B. Roberts, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 42) Effect of Essence of Mushroom on Immune Response of the Aged, Windsor Health Products, \$67,654, 1/1/95-1/1/96, Simin N. Meydani, Principal Investigator.
- 43) Conjugated Linoleic Acid and Immune Response in Aged Mice, National Dairy Council, \$99,986, 6/1/94-5/30/96, Simin N. Meydani, Principal Investigator.
- 44) Molecular Mechanisms of Age and Vitamin E-induced Changes in Macrophage PGE₂ Production, USDA, \$128,000, 9/1/94-8/30/96, Simin N. Meydani, Principal Investigator.
- 45) Nutrition and HIV Infection, PO1 NIH, \$4,292,055 (Biochemistry Core \$576,250), 7/1/94-6/30/99, Sherwood L. Gorbach, Principal Investigator, (B. Goldin, Biochemistry Core PI) with Simin N. Meydani as Co-Investigator in Biochemistry Core.
- 46) Effect of Long Term β -carotene Supplementation on Immune Response, Hoffmann-La Roche, \$21,000, 1992-1993, Simin N. Meydani, Principal Investigator.
- 47) Vitamin E Requirement of Elderly Consuming Fish-derived (n-3) Fatty Acids, USDA, \$129,000, 6/1/93-5/30/95, Mohsen Meydani, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 48) Effect of Dietary Omega 3 Fatty Acids on Plasma Lipoprotein Metabolism and Immune Function, Kraft General Foods, \$48,192, 12/23/91-11/2/92, Simin N. Meydani, Principal Investigator.
- 49) Effect of Black Currant Seed Oil on Immune Response of Healthy Older Adults, Nestle Inc., \$195,000, 11/1/91-6/30/94, Simin N. Meydani, Principal Investigator.
- 50) Effect of Lactobacillus GG on Immune Response of Young and Old Subjects, Vallio Dairies, \$50,000. Sherwood L. Gorbach, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 51) Effects of Dietary Fats On Lipoprotein Metabolism, NIH, \$382,194, 1/7/90- 6/30/95, Ernst Schaefer, Principal Investigator with Simin N. Meydani as Co-Investigator.

- 52) Dietary Fat And Immune Response, CPC, Inc. and Lever Brothers, Inc., \$70,000, Simin N. Meydani, Principal Investigator.
- 53) Diet, Estrogen and Breast Cancer, NCI, \$1,598,717, 7/1/90- 6/30/95, Sherwood L. Gorbach, Principal Investigator with Simin N. Meydani as Consultant for prostaglandin analysis.
- 54) The Effect of Long-Term Vitamin E Supplementation on Immune Function and Blood Clotting in Healthy Older Adults, Hoffmann-La Roche, \$160,000, 1/1/91-6/30/94, Simin N. Meydani, Principal Investigator.
- 55) Vitamin E and the Aging Immune Response, NIA, \$244,525, 1/4/90-3/31/94, Simin N. Meydani, Principal Investigator.
- 56) Nutrition, Aging, and Immune Response, USDA CRIS Contract; renewable annually, first Year: \$116,477, last Year: \$476,000, 10/1/92-9/30/00, Simin N. Meydani, Principal Investigator.
- 57) The Effect of Long-term Natural Vitamin E Supplementation on Lipid Peroxidation Events, Immune Function and Drug Metabolism in Young and Elderly Subjects, Henkel Corporation, \$90,000, 9/1/89-8/30/91, Mohsen Meydani, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 58) Effect of Dietary Fats (w3 and w6 Polyunsaturated Fatty Acids) on Cell-Mediated Immune Response of Mice, NIH Tufts Biomedical Research Support, \$4,471, 4/1/89 –3/31/90, Simin N. Meydani, Principal Investigator.
- 59) Effect of Vitamin E on Exercise Induced Lipid Peroxidation, Hoffmann-La Roche Research, \$40,000, 1/1/86-1/1/88, Jeffrey B. Blumberg, Principal Investigator with Simin N. Meydani as Co-Investigator.
- 60) Effect of Dietary Fats on Lipoprotein Metabolism, NIH, \$400,000 (\$52,000 – Subcontract to S. Meydani), 7/1/87 - 6/30/90, Ernest J. Schaefer, Principal Investigator with Simin N. Meydani as Co-Investigator responsible for immunological assessment and prostanoid metabolism.
- 61) Diet, Estrogen and Breast Cancer, NCI, \$1,048,807, 7/1/86-6/30/90, Sherwood L. Gorbach, Principal Investigator with Simin N. Meydani as Consultant to project for prostaglandin analysis.
- 62) Role of Oxidative Metabolites of Macrophages in Vitamin E Induced Enhancement of Aging Immune Response, NIH Tufts Biomedical Research Support, \$5,597, 4/1/87-3/31/88, Simin N. Meydani, Principal Investigator.
- 63) Effect of Dietary Fat (Fish Oil And Corn Oil) and Vitamin E on Natural Killer Cell Activity and PGE₂ Synthesis, NIH Tufts Biomedical Research Support, \$5,331, 4/01/86-3/31/87, Simin N. Meydani, Principal Investigator.
- 64) Effect of Vitamin E Supplementation on Immune Response of Elderly, Hoffmann-La Roche, \$50,000, 1/1/85-10/17/86, Simin N. Meydani, Principal Investigator.
- 65) Nutrition, Aging And Immune Response, NIA, \$112,500, 4/1/84-4/1/87, Simin N. Meydani, Principal Investigator.

Pending:

- 1) Effect of Age and Weight Loss on Inflammation and Iron Homeostasis in Obese Women. NIA, \$444,387, 09/1/2012-08/31/2014. Simin Nikbin Meydani, Principal Investigator.

Other fundraising activities:

In addition to securing funds for my research, I have successfully raised funds in support of professional meetings, symposiums, and for the Nutritional Immunology Research Interest Section of the American Society of Nutritional Sciences (ASNS) from Federal, industry and foundations. In each case, the funds collected exceeded our original goal and were used for support of similar activities in subsequent years or by the organization for other purposes.

Patents:

Approved:

Immune stimulating dietary supplement and method of use thereof. US Patent No. 6,642,259, issued November 4, 2003

Pending:

Modifying cyclooxygenase and nitric oxide synthetase pathways using oat-derived phenolic compositions

Teaching:

Courses:

1989-Present "Nutritional Impact on the Immune System and Related Diseases," Friedman School of Nutrition Science and Policy at Tufts University, offered every other year.

Lectures:

2006- Present "Human Subjects and Conflict of Interest." In: Immunology Ethics Course Tufts University Sackler School of Biomedical Sciences, offered yearly.

2005 "Antioxidants in immune function." In: Dietary Antioxidants and Degenerative Diseases. Friedman School of Nutrition and Science Policy.

2004 "Nutrition and Infectious Diseases." In: Immunology of Diseases, Tufts University Sackler School of Biomedical Sciences.

2003 "Should the Vitamin E Recommended Daily Allowance for the Elderly Be Increased" Friedman School of Nutrition Science and Policy at Tufts University

2000-Present "Appropriating the Ideas of Others" In: Immunology Ethics Course, Tufts University Sackler School of Biomedical Sciences, offered yearly

1989-Present "Essential Fatty Acids and Prostaglandins" In: Nutritional Biochemistry Course, Friedman School of Nutrition Science and Policy at Tufts University, offered yearly

2000-Present "Nutrition and Immune response" In: Nutritional Problems in Developing Countries, Harvard School of Public Health, Boston, Massachusetts, offered yearly

1999 "Vitamin E" In: Nutritional Biochemistry, Friedman School of Nutrition Science and Policy at Tufts University

1990-Present "Antioxidants and Immune Function" In: Dietary Antioxidants and Degenerative Diseases, Friedman School of Nutrition Science and Policy at Tufts University, offered every other year

1989-Present "Essential Fatty Acids and Prostaglandins" In: Nutritional Biochemistry Course, Friedman School of Nutrition Science and Policy at Tufts University, offered every year

1996 "Aging, Nutrition, and Immune Function," In: Clinical Nutrition in

- Aging and Disease Course, Friedman School of Nutrition Science and Policy at Tufts University
- 1994 "AIDS, Immune Response, and Nutrition" In: Principles and Practice of Clinical Nutrition, Friedman School of Nutrition Science and Policy at Tufts University
- 1993 "Nutrition and Immune Function" In: Nutritional Approach to Disease Prevention and Treatment, a case-based course in nutritional medicine, Tufts School of Medicine and Harvard School of Medicine
- 1992 "Zinc and Immune Function in Elderly" In: Health Claims for Foods: Case Studies on the Nutrition Science/Public Policy Interface, Friedman School of Nutrition Science and Policy at Tufts University
- 1989 "Aging, Nutrition, and Immune Function" In: Nutrition and Aging Course, Friedman School of Nutrition Science and Policy at Tufts University
- 1991 "Interrelationship between Nutrition and Infection" In: Clinical Nutrition, Graduate Program, School of Dentistry, Tufts University
- 1988 "Selenium and Platelet Aggregation" In: Nutritional Biochemistry and Physiology, Friedman School of Nutrition Science and Policy at Tufts University
- 1987 "Nutrition and Immunity" In: Graduate Nutrition Course, School of Dental Medicine, Tufts University
"Essential Fatty Acids and Prostaglandins" In: Advanced Nutrition, School of Public Health, Harvard University
- 1980 "Prostaglandins" In: Advanced Nutrition, Iowa State University
- 1979 "Diet and Disease," Colorado State University
"Experimental Animal Laboratory for Nutritional Studies," Colorado State University

Teaching: Advising

Ph.D. Thesis Advisee:

- 2011-Present Sally Vanegas, Friedman School of Nutrition Science and Policy at Tufts
- 2010-Present Mitra Rozati, MD, U Mass Lowell, Department of Molecular Biology/Biotechnology
- 2009 Jennifer Felsted, Friedman School of Nutrition Science and Policy, Directed Study in Nutritional Immunology Laboratory
- 2008-Present Maria Carlota Dao Saldivia, Friedman School of Nutrition Science and Policy at Tufts University
- 2003-2009 Mario Flores, MD, Friedman School of Nutrition Science and Policy at Tufts University
- 2003-2008 Sarah Belisle, Friedman School of Nutrition Science and Policy at Tufts University
- 2001-2006 Melissa Marko, Friedman School of Nutrition Science and Policy at Tufts University
- 2001-2003 Shaun Rodriguez, Friedman School of Nutrition Science and Policy at Tufts University, Academic advisor
- 1999-2006 Raina Gay, Friedman School of Nutrition Science and Policy at Tufts University
- 1997-2003 Heekyung Chung, Friedman School of Nutrition Science, and Policy at Tufts University
- 1997- 2000 Catarina Sacristan, Immunology Program, Sackler School of Biomedical Sciences, Tufts University
- 1996-2001 Oskar Adolfsson, Friedman School of Nutrition Science and Policy at Tufts University
- 1994-1995 Zheng Wang, Friedman School of Nutrition Science and Policy at Tufts University
- 1994-1999 Sung Nim Han, Friedman School of Nutrition Science and Policy at Tufts University
- 1991-1995 Michelle Santos, Friedman School of Nutrition Science and Policy at Tufts University
- 1990-1995 Laura Rall, Friedman School of Nutrition Science and Policy at Tufts University
- 1984-1993 Alice Shapiro, Friedman School of Nutrition Science and Policy at Tufts University

Ph.D. Thesis Committee Member:

I am currently or have been a member of Ph.D. Thesis Committees for the following students from the Friedman School of Nutrition Science and Policy:

Vincent Tang, Munkyong Pae, Jiyoung Kim, Heather Mernitz, Chung-Yin Huang, Mei Xiu, Elaine Larson, Gaston Bathalon, Dr. Lisa Freeman, J. Eric Triau, and from Wageningen University: Judith Graat.

Ph. D. Qualifying Exam:

I have served on several Ph.D. qualifying exams.

The most recent (2004-Present) are listed: Yu-Lin Kuang, Nicholas Sylvain, Nicole Rogers

Others:

2004-2006 Member of Internship Advisory Committee, Cynthia Castillo

Postdoctoral Fellows & Visiting and Junior Scientists:

2011-12 Advisor, Visiting Scholar, Sang Han Lee, PhD, Principal Research Scientist, Department of Food Science and Biotechnology, Kyungpook National University,

2011-Present Advisor, Postdoctoral Fellow,, Xiaogang Du, PhD, Republic of China

2010-11 Advisor, Scientist III, Alberto Acevedo-Molano, PhD

2009- Present Mentor, Rimi Sen, MD, Assistant Professor, Department of Pediatrics, Tufts University Medical School

2008-2010 Advisor, Postdoctoral Associate, Zhaofeng Huang, Ph.D.

2007 Advisor, Postdoctoral Associate, Hoan-Jen Eunice Pang, PhD

2006-2007 Advisor, Postdoctoral Associate, Melissa Marko, Ph.D.

2005-Present Angelo Azzi, PhD, Visiting Scientist,

2005-2011 Advisor, Postdoctoral Associate, Zhihong Ren

2004-2005 Advisor, Scientist III, Xuelin Cui, PhD

2003-Present Co-Advisor, Ellison Foundation Postdoctoral Fellow, Bertha Estrella, MD

2003 Advisor, Postdoctoral Associate, Heekyung Chung, PhD

2002-2003 Advisor, Postdoctoral Associate, Raina Gay, Ph.D.

2003-2005 Advisor, Ellison Foundation Postdoctoral Fellow, Tanvir Ahmed, MD

2001-2002 Advisor, Postdoctoral Fellow, Sung Nim Han, PhD

2001-2002 Advisor, Postdoctoral Fellow, Oskar Adolfsson, PhD

1999-2001 Advisor, Postdoctoral Fellow, Kate J. Claycombe, PhD

1997-1998 Advisor, Visiting Scientist, Woel Kyu Ha, Ph.D., Maeil Dairy, Seoul, South Korea.

1997-1998 Advisor, Visiting Scientist, Mauro Serafini, Ph.D., Istituto della Nutrizione, Rome, Italy.

1990-1995 Advisor, Postdoctoral Fellow, Dayong Wu, M.D., Ph.D.

1991-1995 Advisor, Postdoctoral Fellow, Michael Hayek, Ph.D.

1988-1990 Advisor, Postdoctoral Fellow, Mehrdad Farhang Mehr, D.V.M.

1984 Advisor, Visiting Scientist, Tadayasu Furukawa, Ph.D., Kyowa Hakko Kogyo Food Company, Japan

1985 Advisor, Visiting Scientist, Wen-Huey Wu, M.S., Cheng Shan Medical and Dental College, Taichung, Taiwan

Interns:

2006 American Clinical Nutrition Society, Medical Student Summer Intern, Isabella Martin, University of Vermont College of Medicine

2005 American Clinical Nutrition Society, Medical Student Summer Intern, Candice Rose, Kansas State University

Training Grants

Research Training Program in Nutrition and Chronic Disease
PI-Andrew Greenberg

Doctoral Program in Human Nutrition and Metabolism
PI-Joel Mason

Post-Baccalaureate Research Education Program (PREP)
PI-Henry Wortis

Tufts Global Health Research Training Program for Postdoctoral Fellows
PIs-Joyce Sackey, Christine Wanke, Honorine Ward, and Jeff Griffiths.

International and National Invited Presentations:

2012 "Nutrition Policies for Healthy Aging." WHO Panel Discussion at United Nation, NY, NY
2011 "Reviving the Ageing Immune Response - Are all Antioxidants equal?" Gerontological Society of America, Boston, Massachusetts

"Nutrition and Immunity." Association of Nutrition Departments and Programs (ANDP) and the Council of Food Science Administrators (CFSA) Pennsylvania State University, State College, Pennsylvania

"Nutrition, Aging, and Immune Response," Cell Signaling Cell Signaling Networks (CSN) Conference 2011, Mérida, Mexico

"Nutrition, immunity, inflammation, and infectious diseases: a translational approach." Iowa State University, Ames, Iowa (Award recipient presentation for the Helen LeBaron Alumni Award)

"Vitamin E, signalosomes and gene expression in T cells." FASEB Summer Research Conference, Nutritional Immunology: Role in Health and Disease. Carefree, Arizona

"Impact of lacto-wolfberry and probiotic supplementation on influenza infection: a collaborative project between Tufts and Nestlé." and "Jean Mayer USDA Human Nutrition Research Center on Aging 5 year strategic plan: Meeting public health challenges of nutrition and aging." Nestlé Research Center, Lausanne, Switzerland

"Immunity and aging." 5th International Workshop on Immunonutrition." Puerto Vallarta, Mexico

2010 "Nutrition, Immunity and Elderly." 2010 American Dietetic Association Food and Nutrition Conference & Expo, Boston, Massachusetts

"Nutrition and age-associated inflammation: implication for disease prevention." NIA/NIH Inflammation and Aging Workshop. Bethesda, Maryland

"Nutrition and double burden of diseases in elderly in less developed countries." Nutrition and Global Health 12th Annual Postgraduate Nutrition Symposium. Boston, Massachusetts

"Nutritional modulation of T cell function in the aged" and "Aging and adipose tissue inflammation: role of nutrition." American Aging Association 39th Annual Meeting, Portland, Oregon

Micronutrients and respiratory infections in the elderly. Micronutrients and Respiratory Infections Workshop, Bethesda, Maryland

"No one is immune from nutrition: an exploration of the relationship between nutrition, immunity and infection." Beals Lecture, University of Massachusetts and ADA, Northampton, Massachusetts

"Using nutrition to protect from infectious diseases" and "Nutrition, immunity and infectious diseases: a transitional approach." Jean Andrews Centennial Visiting Professorship, University of Texas Austin, Texas

"Nutrition and age-associated inflammation: implication for disease prevention." Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University, Seminar Series, Boston MA

2009 "Nutrition and age-associated inflammation: implication for disease prevention." American Dietetic Association (ADA) 2009 Food and Nutrition Conference and Expo, Denver Colorado

"Immune status of aging populations and methods of modulating susceptibility." Institute of Medicine (IOM) of the National Academies, Washington DC

"Vitamin E and immunocompetence in aged." 3rd International Immunonutrition Workshop, Girona, Spain

"Antioxidants and immune response: molecular mechanisms and clinical implications." NIH Office of Dietary Supplements (ODS) 2009 Fall Seminar Series, Rockville, Maryland

"Vitamin E, macrophage inflammatory response and risk of infections." 6th annual American Geriatric Society (AGS) Bedside-to-Bench Conference, Bethesda, Maryland

"Protective nutrients including prebiotics in elderly." Harvard Medical School and Harvard School of Public Health, Boston, Massachusetts

"Optimizing vaccine response in elderly through nutritional modification." Iowa State University, Ames, Iowa

"Nutrition and infectious diseases: a transitional approach." Stonybrook University Medical Center, Stonybrook, New York

2008 "Immune function as a biological marker to assess micronutrient status." Gates Foundation Micronutrient Assessment Meeting, Seattle, Washington

"Antioxidants and immunocomptence." First International Congress on Nutrition and Cancer. Antalya, Turkey

"Probiotics, immune function and infectious diseases in aging." 2008 American Geriatrics Society Annual Scientific Meeting, Washington DC

"Pneumonia in nursing home elderly-novel risk factors." Hebrew Rehabilitation Center, Boston, Massachusetts

"How can nutrition and supplements affect the inflammatory response in healthy elderly?" 2nd Annual Conference on Nutrition and Supplements: an evidence-based approach. Irvine, California

- "Nutrition and age-associated inflammation: implications for disease prevention." A.S.P.E.N. Clinical Nutrition Week 2008, Chicago, Illinois
- 2007 "Nutrition, immune response and infectious diseases in the aged, American Association of Veterinary Immunologists, Chicago, Illinois
- "Age-associated immune and inflammatory dysregulation: modification by nutritional intervention. Pennington Biomedical Research Center Scientific Symposium, Baton Rouge, Louisiana
- "Zinc, selenium and vitamin E." Danone Vitapole Workshop, Palaiseau, France
- "Molecular mechanisms and clinical implications of the age associated changes in the immune response: can they be modified by nutritional interventions?" 2nd Congress of Molecular Medicine. Istanbul, Turkey
- "Immunity, ageing and nutrition." 2nd International Vitagora Health and Nutrition Congress, Dijon, France
- "A road less traveled: personal reflections on three decades of Nutritional Immunology, Nutritional Immunology: its role in health and disease," FASEB Summer Research Conference, Tucson, Arizona
- "Antioxidant status, stress and immunocompetence." International Life Sciences Institute (ILSI) Symposium at Experimental Biology 2007, Washington, DC
- "Vitamin E and immune response: molecular mechanisms and clinical implications." Who we are and what we eat: the role of metabolomics and nutrigenomics in creating healthier foods and healthier lives. University of North Carolina, Greensboro, North Carolina
- "Molecular mechanisms and clinical implications of the age associated changes in the immune response: Can they be modified by nutritional interventions?" Beth Israel Deaconess Medical Center, Boston, Massachusetts
- "Aging, nutrition and infectious diseases: molecular mechanisms and clinical implications". Tufts New England Medical Center, Division of Geographic Medicine and Infectious Disease, Boston, Massachusetts
- 2006 "Micronutrients and immune health." 2006 Wyeth Consumer Healthcare Global Nutrition Advisory Board. Ottawa, Canada
- "T cell receptor proximal effects of vitamin e (e) in old mice: reversal of age-associated decrease in effective immune synapse formation and phosphorylation of early signaling proteins in t cells." 13th Biennial Congress of the International Society for Free Radical Research, Davos, Switzerland
- "Immunity, inflammation and dietary intervention." Living Well to 100: Tufts Care Institute. Boston, Massachusetts

"Molecular mechanisms and clinical implications of the age associated changes in immune response: can they be modified by nutritional interventions?" Graduate Center for Nutritional Sciences Seminar, University of Kentucky. Lexington, Kentucky.

"Probiotics, immune function and infectious diseases." American College of Nutrition 47th Annual Meeting. Reno, Nevada

"Novel approaches/new uses of probiotics." First International Drug Information Association (DIA) Workshop, College Park, Maryland

"Antioxidants, immune response & infectious diseases in the aged." 4th Nathan W. Shock Aging Symposium, Towson, Maryland

"Can probiotics help elderly patients?" 2006 American Academy of Family Physicians, Washington, DC

"Questions and quandaries about Vitamin E." Friedman School Symposium, Tufts University, Boston, Massachusetts

"Vitamin E and respiratory infection in elderly" Marshfield Clinic Research Foundation Scientific Seminar Series, Marshfield, Wisconsin

"Molecular mechanisms and clinical implications of the age associated changes in the immune response: Can they be modified by nutritional interventions?" Massachusetts General Hospital, Boston, Massachusetts

"Vitamin E supplementation: beneficial or harmful?" IN: Controversy Session: Vitamin E research: controversies between basic research and clinical trials. Experimental Biology 2006, San Francisco, California

"Age-associated immune and inflammatory changes: role of nutrition intervention. Novartis Clinical Nutrition Week, Dallas, Texas

2005 "Vitamin E and Respiratory Infections in the Elderly." Oxidants and Antioxidants in Biology (Oxygen Club of California and University of Turin), Alba, Italy

"Aging, Immunosenescence and Related Diseases in the Elderly." 2005 Healthy Ageing Workshop, Nestle Research Center, Lausanne, Switzerland

"T cell receptor proximal effect of vitamin E in old mice: reversal of age-associated decrease in effective immune synapse formation," Signaling Defects in Aging Immune Cells Workshop, Potomac, Maryland

"Nutrition, Immunity and Infectious Diseases in the Elderly: an Emerging Public Health Problem in Less Developed Countries," HNRCA at Tufts University, Boston, Massachusetts

"Essential fatty acids and immune function." Centennial: Celebrating 100 years of the College of Human Sciences. Tallahassee, Florida

"Is antioxidant supplementation beneficial for elderly?" Longwood Nutrition Seminar, Boston Massachusetts

- "Antioxidants and Inflammatory Mediators in the Aged. 2005 Conference on Aging: Mechanisms and Prevention, Oakland, California
- "Influences of Nutrition on Immune Function in the Elderly," 12th International Symposium on Functional Medicine, Palm Springs, California
- "Vitamin E and Respiratory Infections," Diet and Optimum Health, Linus Pauling Institute, Portland, Oregon
- "Vitamin E, Nutritional Status, and Infectious Diseases in Nursing Home Residents," First International Conference on Nutritional Needs of Elderly People in Long-term Care, Washington DC
- "Nutritional Modulation of the Immune Response in the Aged: Molecular Mechanisms and Clinical Implications." University of Illinois at Urbana-Champaign, Urbana, Illinois
- "Are Fat-Soluble Vitamins Effective in Enhancing Tumoricidal Cell Activity?" NCI Immunonutrition Workshop, Bethesda, Maryland
- "Antioxidant, Immune Function and Infectious Diseases in the Elderly." Texas A & M University Graduate Nutrition Seminar, College Station, Texas
- 2004 "Scientific Basis for use of Immune Function as a Biomarker to Assess the Benefits of Probiotics." 3rd Danone International Probiotics Convention, Paris, France
- "Ageing and Immune Function." 26th ESPEN Congress, Lisbon, Portugal
- "Vitamin E and Respiratory Infection." Council for Responsible Nutrition, Landsdowne, Virginia
- "Aging and Immunity." Trudeau Institute of Immunology, Saranac Lake, New York
- "Immune System Optimization." U.S. Army Research Institute of Environmental Medicine, Natick, Massachusetts
- "Vitamin E and Prevention of Respiratory Infections in the Elderly," New York Academy of Science conference on Vitamin E and Health, Boston, Massachusetts
- "The Role of Nutrition in Improving Immunity and Resistance to Disease," Tufts University Campus Visit Program, Boston, Massachusetts
- "Nutrition and Immunity." International Life Sciences Institute Annual Conference, Washington, DC
- "Nutrition and Infection in the Aged." Office of Dietary Supplement, Washington, DC
- 2003 "Nutrition and Infection in Elderly". Wageningen University, Wageningen, The Netherlands
- "Aging, Immune Response, and Infectious Disease: Molecular Mechanisms and Reversal by Nutrient Intervention." ARS Immunology Research Workshop, Washington, DC

"Should the Vitamin E RDA for Elderly be Increased?" Friedman School of Nutrition Science and Policy, Boston, Massachusetts

"Molecular mechanism of antioxidant-induced immune enhancement in the aged." 2003 FASEB Summer Research Conference, Saxtons River, Vermont

"Vitamin E and Respiratory Infection in Elderly." JMUSDA-HNRCA at Tufts University, Boston, Massachusetts

"Age-related Immune Dysregulation: Molecular Mechanisms and Reversal by Antioxidant Nutrient Intervention" American Aging Association 32nd Annual Meeting, Baltimore, Maryland

"Molecular Mechanisms of Vitamin E-induced Enhancement of Immune Response in the Aged." University of Medicine and Dentistry at New Jersey School of Osteopathic Medicine. Stratford, New Jersey

"Age-related Immune Dysregulation: Molecular mechanisms and Reversal by Nutrient Intervention." Pennington Biomedical Research Center, Baton Rouge, Louisiana

"Is the Vitamin E RDA for Older Adults Set Too Low?" In Symposium: Controversies in Dietary Reference Intake, Experimental Biology 2003, San Diego

"Nutrition and Infection in the aged." Symposium: Nutrition, Host Defense, and Infectious Disease, Experimental Biology 2003, San Diego

2002 "Vitamin E and the Immune Response." Oxygen Club of California 2002 World Congress, Santa Barbara, California. Cadiz, Spain

"Immunonutrition." (Keynote lecture), Joint Nutrition Symposium, [European Society College of Veterinary and Comparative Nutrition; American College of Veterinary Nutrition; Comparative Nutrition Society; European Zoo Nutrition Research Group.] Antwerp, Belgium

"Nutrition and Immune Response in the Aged." Grand Rounds, Angell Memorial Hospital, Boston, Massachusetts

"Nutrition and Immune Function in the Aged." Grand Rounds: Gastroenterology, Hepatology, and Nutrition." Loyola University, Chicago, Illinois

"Nutrition and Immunity in the Aged: a Mechanistic Approach." International Conference on Immunology and Aging, Washington, DC

"Vitamin E and Immune Response in the Aged." American College of Veterinary Medicine Convention, Nashville, Tennessee

"Nutrition to Preserve the Immune System in the Elderly." 1st Asia Pacific Conference & Exhibition on Anti-Aging Medicine, Raffles City, Singapore

"Micronutrients Deficiencies in the First Months of Life." 52nd Nestles Nutrition Workshop Dubai, United Arab Emirates

- "Substantiation of Markers of Immune Function and their Links to Diet." International Life Sciences Institute conference on Functional Foods for Health, EB 2002, New Orleans, Louisiana.
- "Vitamin E and Immune Function During Aging." USDA/Beltsville Human Nutrition Research Center, Beltsville, Maryland.
- "Vitamin E and the Immune Response." Oxygen Club of California World Congress, Santa Barbara, California.
- 2001 "Immunity (Prevention of Infection and Cancer)." 6th Nestle Nutrition Workshop Nutrition and Aging, Seville, Spain.
- "Scientific Basis for Nutritional Supplements for the Elderly." 17th International Congress of Nutrition, Vienna, Austria.
- "Nutrition and Immune Function: Clinical Implications and Molecular Mechanisms." American College of Nutrition Grace Goldsmith Award Lecture, Orlando, Florida.
- "Effects of Aging on the Immune System." Tufts Animal Expo 2001 Veterinarian Session, Boston, Massachusetts.
- "Vitamin E and Immune Function: Molecular Mechanisms and Clinical Implications." 13th Annual G. Malcolm Trout Visiting Scholar Lecture, Michigan State University, East Lansing, Michigan.
- "Nutrients as Regulators of the Immune System." Co-organizer of Symposium, Experimental Biology, Orlando, Florida.
- "Nutrition, Aging and Immune Function." HNRCA Seminar Series, Boston, Massachusetts. Live videoconference to Pennsylvania State University and Cornell University.
- 2000 "Ageing and Immunity." Nutrition for Optimal Health: Relevance and Riddles. CSIRO Health Sciences and Nutrition, Adelaide, Australia.
- "Can Functional Foods Be Used to Improve Immune Response in the Aged?" Functional Foods 2000, The Hague, The Netherlands.
- "Nutrition and Oral Infectious Disease Workshop." The Forsyth Institute, Boston, Massachusetts.
- "Nutrition and Immune Function in the Elderly." AOA 105th Annual Convention Scientific Seminar, Orlando, Florida.
- "International Life Sciences Institute North American Technical Committee on Food Components for Health Promotion." International Life Sciences Institute, Washington, DC.
- "Nutrition and Immunity: Role of Vitamin E, Vitamin C, and Zinc." The American Dietetic Association (ADA), Denver, Colorado.
- "Dietary Modulation of the Aged Immune System." American Aging Association Symposium, In: Dietary Interventions in Aging and Age-Associated Diseases." Boston, Massachusetts.

- “Overview of Impact of Nutrition on Immune Function.” Workshop on Macronutrients and Immune Function, National Academies-Institute of Medicine, Washington, DC.
- “Antioxidants and Diseases of Elderly Persons: Antioxidants and Immune Function.” AGS/AFAR Annual Meeting, Nashville, Tennessee.
- “Tocopherol Modulation of Cyclooxygenase Activity: Implications for Inflammatory Cell Function.” Experimental Biology 2000 Symposium: Molecular Mechanisms of Protective Effects of Vitamin E in Atherosclerosis, San Diego, California.
- “Antioxidant Vitamins and Immune Function.” Linus Pauling Institute, Oregon State University, Corvallis, Oregon.
- 1999 “Dietary Fatty Acids and the Immune Response Function.” 23rd World Congress, International Society for Fat Research, Brighton, England.
- “Vitamin E, Immune Response, and Infectious Diseases in the Elderly.” 3rd International Conference on Nutrition and Aging, International Life Sciences Institute, Tokyo, Japan.
- “Nutrition and Viruses from Molecular Biology to Public Health.” Marabou Symposium, Stockholm, Sweden.
- “Aging, Nutrition, and Immune Function.” Keynote Lecture, International Society for Exercise and Immunology Symposium, Rome, Italy.
- “The Effect of Vitamin Deficiencies and Supplementation on Infection and the Immune Response.” 45th Nestle Nutrition Workshop, Bangkok, Thailand.
- “Nutrition and Immune Function in the Elderly.” Nestle Consultative Committee on Nutrition, Boston, Massachusetts.
- “Facility for Testing Interventions to Promote Healthy Aging.” NIA, San Antonio, Texas.
- “Antioxidant Vitamins: Should We Prescribe Them?” North American Veterinary Conference, Orlando, Florida.
- 1998 “Dietary Interventions which alter Immune Function in the Elderly.” Nutritional Immunology Symposium, Harrogate, England.
- “Lipid Supplementation and Immunity in the Elderly.” 3rd Congress of the International Society for the Study of Fatty Acids and Lipids (ISSFAL), Lyon, France.
- “Free Radical-Induced Changes of Immune Function: Reversal by Antioxidant Nutrients.” 6th International Expert Forum on Immunotherapy and Gene Therapy, Florence, Italy.
- “Vitamin E, Immune Response, and Resistance to Disease.” The Synergy of Diversity Symposium, Tallahassee, Florida.
- “Antioxidants and Immune Function.” FASEB Summer Research Conference, Copper Mountain, Colorado.

- "Vitamin E and Immune Response in Aged Dogs." Iams International Nutrition Symposium, San Francisco, California.
- "Carotenoids and Immunity." Third Gordon Research Conference on Carotenoids, Ventura, California.
- "Contributions of Free Radical-Induced Aging to the Function of the Immune System: Implications for Aging Skin." The Second Annual International Symposium on Aging Skin, Miami Beach, Florida.
- 1997 "Contributions of Free Radical-Induced Aging to the Function of the Immune System." Unilever Symposium, Northampton, England.
- "Lipids and Immune Response." British Biochemical Society, Brighton, England.
- "Vitamin E and Immune Response." European Nutrition Society Meeting, Nice, France.
- "Vitamin E, Immune Response, and Infectious Diseases in the Aged." International Symposium on Vitamin E, Kyoto, Japan.
- "Vitamin E, Antioxidants, and Immunity." Department of Nutrition, School of Medicine, University of Tokushima, Tokushima, Japan.
- "Vitamin E and Aging." Small Animal Internal Medicine Program Committee Forum (sponsors: University of Pennsylvania and The Iams Company) Orlando, Florida.
- "Recent Developments in Vitamin E and Immune Response." Nutrition and Immunity, International Life Sciences Institute, Atlanta, Georgia.
- 1996 "Antioxidant Modulation of the Immune Response in the Aged." VIII Biennial Scientific Meeting of the International Society for Free Radical Research, Barcelona, Spain.
- "Vitamin E, Antioxidants, and Immunity." Nutritional Seminar, Nutrition Sciences Program, College of Agriculture, University of Illinois at Champaign-Urbana, Champaign-Urbana, Illinois.
- "Antioxidants and Disease Prevention." Massachusetts College of Pharmacy and Allied Health Sciences, Boston, Massachusetts.
- "Antioxidant Modulation and Immune Response: Clinical Implications and Mechanisms of Action." Department of Biological Science, Southern Methodist University, Dallas, Texas.
- "Dietary Lipids and Immune Function." Symposium on Edible Oils and Fats, Institute for Edible Oils and Fats, Boston, Massachusetts.
- "Antioxidants and Immune Response." Department of Food Science, Nutrition, and Food Management, University of North Carolina at Greensboro, Greensboro, North Carolina.
- "Molecular Mechanisms and Health Effects of Vitamin E," Experimental Biology '96, Washington, DC.

- “Antioxidant Nutrients and Immune Response in the Aged: Clinical Implications and Mechanisms of Action.” Dietary modulation of the Aging Immune System, 26th Annual Meeting of the American Aging Association (AGE) and the 11th Annual Meeting of the American College of Nutrition“ Nutrition and Functional Aging, San Francisco, California.
- 1995 “Role of Vitamins and n-3 Fatty Acids in Immune Cell Function and Acute Phase Response.” Annual meeting of the European Academy of Nutritional Sciences Potsdam, Germany.
- “Nutrition and Immune Response in the Elderly: a Review of the Evidence.” University of Toronto Department of Nutrition and University of Montreal Department of Nutrition, Montreal, Canada.
- “Antioxidant Nutrients and the Immune Response.” Seventh European Nutrition Conference, Vienna, Austria.
- “Antioxidant and Aging Immune Response.” Nutrition Department, University of Illinois, Chicago, Illinois.
- “Nutrition, Aging and Host Defense.” 1994 Work Group Meeting: Improving the Performance of Vaccines in Older Adults, Washington DC.
- “Nutrient Modulation of Immune Response in Aged.” Fifteenth Ross Research Conference on Medical Issues, Sanibel Island Florida.
- “Vitamin E and the Aging Immune Response.” American College for Advancement in Medicine Convention, Colorado Springs, Colorado.
- “Vitamin E Enhancement of T Cell-Mediated Function in Aged Mice and Humans.” Tufts University School of Medicine, Immunology Department, Boston, Massachusetts.
- “The Effect of Gamma Linolenic Acid on Cytokine Production and the Immune Response.” American Oil Chemists’ Society, San Antonio, Texas.
- “The Influence of Vitamin E and B₆ on Immune Response.” Annual Meeting of New York State Dietetic Association, New York, New York.
- “Antioxidants and Aging Immune Response.” 1995 FASEB Summer Research Conference: Antioxidant Nutrients in the Cellular Biology of Health and Disease, Saxtons River, Vermont.
- 1994 “Nutrition and Aging Immune Function.” Adjuvant Nutrition & Chronic Diseases: Preventative and Therapeutic Effects Meeting, sponsored by Canadian Hospital Association, Canada.
- “Dietary Lipids, Antioxidants and the Immune Response.” British Biochemical Society Symposium
- “Lipids in Immune Function and Inflammatory Disorders,” University of Sussex, Brighton, England.
- “Nutrition and Immunity.” The 4th International Expert Forum on Immunology, Oslo, Norway.
- “Immune Responses: Overview of Present Evidence.” Second International Conference Antioxidant Vitamins and Beta-Carotene in Disease Prevention, International Congress Center, Berlin, Germany.

- "Antioxidant Nutrition and Immune Function." Annual meeting of the American Aging Association, Washington D.C.
- "Vitamin E Enhancement of T Cell Mediated Function in the Healthy Elderly: Mechanism of Action." University of Florida, Gainesville, Florida.
- "Vitamin E Enhancement of T Cell Mediated Function in Healthy Elderly: Mechanism of Action." Interagency Committee on Human Nutrition Research sponsored Sixth Conference for Federally Supported Human Nutrition Research Unit and Centers, Washington, DC.
- "Antioxidants in Aging." 10th Annual Nutrition and Aging Symposium," Little Rock, Arkansas.
- "Nutrients as Immune System Modulators." Adjuvant Nutrition in Cancer Treatment Symposium, San Diego, California.
- "Vitamin E." Chair, Minisymposium, Annual FASEB meeting, Anaheim, California.
- 1993 "Effect of (N-3) Polyunsaturated Fatty Acids on Cytokine Production: Clinical Implications." McMaster University, Ontario, Canada.
- "Antioxidant Modulation of Immune Response in the Elderly." McMaster University, Ontario, Canada.
- "Interaction of Vitamin E And n-3 PUFA on the Immune Response." The 1st International Congress of the International Society for the Study of Fatty Acids and Lipids: Fatty Acids from Cell Biology to Human Disease, Lugano, Switzerland.
- "Lipids" and "Antioxidants." Nutrition and Immunology Course, Janeway Child Health Centre, St John's, Newfoundland, Canada.
- "Health Effects of Vitamin E." Betacaroteno y Asociaciones Antioxidantes Profilaxis de la Oxidacion Celular Meeting, School of Pharmacology and Medicine, University of Central Venezuela, Caracas, Venezuela.
- "Vitamin E and the Immune Response." Annual meeting of the Korean Nutritional Society, Seoul, Korea.
- "Vitamin E and the Immune Response." Yonsei University, Seoul, Korea.
- "Vitamin E and Immune Response in Healthy Elderly." International Life Sciences Institute, North America, Washington, DC.
- "Health Protective Effects of Vitamin E." Natural Protectants Against Natural Toxicants Symposium, Iowa State University, Ames, Iowa. Live videoconference to several off site locations.
- Organizer and speaker at the "Workshop on Nutrition, Aging and the Immune Response" sponsored by the Foundation for Nutritional Advancement, Boston, Massachusetts.
- 1992 "n-3 PUFA and the Immune Response." Plenary Lecture, 32nd International Conference on Biochemistry of Lipids, Granada, Spain.

"Antioxidant Status and Aging Immune Response." Free Radicals and Aging Meeting, Paris, France.

"Influence of Vitamin E and B₆ on Immune Response." New York Academy of Sciences Meeting, Arlington, Virginia.

"Effect of Vitamin E and B₆ on Immune Response." Beyond Deficiency: Vitamin Issues of the 90's, Captiva Island, Florida.

"Nutrition and Aging Immune Response." Current Issues in Nutrition Symposium, Iowa State University, Ames, Iowa.

"Antioxidants and Aging Immune Response." NIA workshop, Free Radicals in Aging, Berkeley, California.

"Dietary Lipids, Eicosanoid and the Immune Response." Chair, Minisymposium, Annual FASEB meeting, Los Angeles, California.

"Effects of Dietary Fatty Acids on Immune Function." Wyeth-Ayerst Laboratories, Philadelphia, Pennsylvania.

"Vitamin E and the Immune Response." FASEB summer research conference, Saxtons River, Vermont.

"Nutrition and Immunology." Hyperalimentation: a Practical Approach. New England Deaconess Hospital and Harvard Medical School, Boston, Massachusetts.

"Dietary Antioxidant Modulation of the Immune Response in the Aged." Annual Meeting of the American Aging Association, San Francisco, California.

"State of Nutritional Acquired Immunodeficiency Studies (NAIDS): Where We Are At and Where We Should Be Going." Nutrition, Immunity, and Infection Workshop, Nutrition Study Section, Chevy Chase, Maryland.

"The Role of Dietary Factors on Immune Function during Aging." Bristol-Myers Squibb Company, Mead Johnson Research Center, Evansville, Indiana.

"Dietary Lipids and Immune Function." USDA-Human Nutrition Research Center at Beltsville, Beltsville, Maryland.

"Overview of The Role of Vitamins B₆, B₁₂ and Folate and Implications for Immune Function in the Elderly." A New Look at the B Vitamins, ISLI, North America, Washington, DC.

1991 "Nutrition and the Immune Response in the Aged." University of North Carolina Continuing Education Program, Geriatric Update, Chapel Hill, North Carolina.

"Nutrition and Immune Function." Harvard Medical School, Continuing Education Program, Current Advances in Nutritional Medicine and Disease Prevention, Boston, Massachusetts.

"Lipids and Antioxidant-Induced Changes of the Immune Response." International Conference on Nutrition and Immunity, also chaired session: "Nutrition and Immune Response during Aging," Newfoundland, Canada.

"Dietary Modulation of Cytokines." US-Japan Malnutrition Panel's Session on Dietary Polyunsaturated Fatty Acids and Eicosanoids, Beltsville, Maryland.

"Dietary Fatty Acids and Immune Response." New Directions in Nutritional Care: Nutrient Modification of the Disease Process, ASPEN Fall Postgraduate Course, Chicago, Illinois.

"Nutrient Supplementation: can it enhance Immune Response in Aged?" Ross Laboratories, Columbus, Ohio.

"Antioxidants and the Immune Response." Brigham and Women's Hospital, Boston, Massachusetts.

1990 "Dietary Modulation of the Aging Immune Response." Universita Scienze Farmacologiche, Milan, Italy.

"Effect of Vitamin E on Immune Response of the Aged." Tehran University, Tehran, Iran.

"Diet, Immunity and Infectious Disease." Tehran University, Tehran, Iran.

"Role of Dietary Factors on the Immune Response of Elderly." Nutrition Research Seminar Series, University of Missouri, Columbia, Mississippi.

"Influence of Dietary Fatty Acids on Eicosanoids and the Immune Response." Short Course on Health Effects of Dietary Fatty Acids, American Oil Chemists' Society, Baltimore, Maryland.

"Nutrition and Immune Function in Elderly." Annual Denham Harman Lecture at the Meeting of the American College of Advancement in Medicine, Washington, DC.

"Nutrition and Immune System." Plenary Lecture on Nutrition, Aging and Age-Related Diseases, Annual Meeting of American College of Nutrition, Albuquerque, New Mexico.

"Nutritional Modulation of the Immune Response in the Aged." Annual Meeting of the American Aging Association, New York, New York.

"Dietary Fat and Immune Response." Clintec Lipid and Immunity Conference, Deerfield, Illinois.

"Dietary Modulation of the Immune Response." Tufts Nutrition Council Minisymposium on Nutrition, Immune Response and Related Disease, Jean Mayer USDA Human Nutrition Research Center on Aging, Boston, Massachusetts.

"Effects of Vitamin E and B₆ on Immune Function in Healthy Elderly." Fourth Conference for Federally Supported Human Research Units and Centers, Bethesda, Maryland.

"Nutrition and Aging Immune System." Campbell Soup Workshop on Nutrition and the Immune Response, Camden, New Jersey.

"Micronutrient Status and Immune Function in the Elderly." New York Academy of Sciences Conference on Micronutrients and the Immune Function, New York, New York.

- "Vitamin E and the Immune Response." Vitamin E Symposium, Colorado Spring, Colorado.
- "Nutrient Induced Changes in the Immune Response of the Aged." Jean Mayer USDA Human Nutrition Research Center on Aging Seminar, Boston, Massachusetts.
- "Dietary Fat and Immune System." Best Foods: Food and Nutrition Advisory Council Meeting, Union, New Jersey.
- "Micronutrient Status and Immune Response in the Elderly." Memorial Sloan-Kettering Cancer Center's Special Nutrition Lecture Series, New York, New York.
- 1988 "Antioxidant Nutrient and the Aging Immune Response." Symposium on Antioxidant Nutrition/Immune Function, American Chemical Society meeting, Los Angeles, California.
- "Effect of Vitamin E Supplementation on Immune Responsiveness of Aged." New York Academy of Sciences Conference on Vitamin E, Biochemical and Health Effects, New York, New York.
- 1987 "Interleukin-1, Induced Anorexia is Mediated by Prostaglandin and is Prevented by Dietary Fish Oil." Meeting on Health Effects of Fish and Fish Oils, Newfoundland, Canada.
- "Dietary Fat and the Immune Response." Geriatric Research and Education Center, Veterans Administration Hospital, Bedford, Massachusetts.
- "Dietary and Age Associated Changes in Lung Prostanoid Synthesis." Symposium on Dietary Fat and Health, American Oil Chemists Society.
- "Effect of Fish Oil on Natural Killer Cell Activity and PGE₂ Synthesis in Young and Old Mice." Short Course on Polyunsaturated Fatty Acids, American Oil Chemists Society, Biloxi, Mississippi.
- "Beneficial Effects of Antioxidants on Aging Immune Response." Free Radical Biology and Medicine Meeting, La Jolla, California.
- 1986 "Vitamin E." Community Information Series, Jean Mayer USDA Human Nutrition Research Center, Boston, Massachusetts.
- 1985 "Effect of Vitamin E and Dietary Fat Type on the Immune Response of Young and Old Mice." Symposium on Dietary Fat and Immune Response, American Oil Chemists Society, Philadelphia, Pennsylvania.
- 1984 "The Role of Dietary Fat and Vitamin E on Aging Immune Response." Bureau of Biologicals, Beltsville, Maryland.
- "Vitamin E and the Aging Immune Response." Hoffmann-La Roche, Inc., Nutley, New Jersey.

Media coverage of published work:

Interviews and laboratory research has been featured: a) on all the 3 major national TV networks and their affiliates, ABC, NBC, and CBS, CNN, Public television, MSNBC, European, Korean, and Japanese TV networks, and b) in several major newspapers including, New York Times, Washington Post, Boston Globe,

LA Times, USA Today, Associate Press, and numerous popular magazines. Specific references will be provided upon request.

Publications: Articles

Vergidis P, Hamer DH, **Meydani SN**, Dallal GE, Barlam TF. Patterns of antimicrobial use for respiratory tract infections in older residents of long-term care facilities. *JAGS*, 2011, 59: 1093-1098. **PMC Journal-in Process**

Delgado-Lista J,-Rios AG, Perez-Martinez P, Solivera J, Yubero-Serrano EM, Fuentes F, Parnell LD, Shen J, Gomez P, Jimenez-Gomez Y, Gomez-Luna MJ, Marin C, Belisle SE, Rodriguez-Cantalejo F, **Meydani SN**, Ordovas J, Perez-Jimenez F, and Lopez-Miranda J. Interleukin 1B Variant -1473G/C (rs1143623) Influences Triglyceride and Interleukin 6 Metabolism. February 9, 2011 as doi:10.1210/jc.2010-2455J *Clin Endocrinol Metab*, May 2011, 96(5):E816-820. **PMCID: PMC3085209**

Pae M, Ren Z, Meydani M, Shang F, Smith D, **Meydani SN**, Wu D. Dietary supplementation with high dose of epigallocatechin-3-gallate (EGCG) promotes inflammatory response in mice. *J Nutr Biochem*, 2011, doi:10.1016/j.jnutbio.2011.02.006 on-line.

Pae M, Meydani M, Shang F, **Meydani SN**, Wu D Epigallocatechin-3-gallate (EGCG) directly suppresses T cell proliferation through impaired IL-2 utilization and cell cycle progression. *J. Nutr.*, 2010, 140: 1590-1515.

Guo W, Nie L, Wu D, Wise ML, Collins FW, **Meydani SN**, Meydani M, Avenanthramides inhibit proliferation of human colon cancer cell lines in vitro *Nutrition and Cancer*. 2010, 62(8), 1007–1016.

Sempertegui F, Estrella B, Tucker K, Hamer D, Narvaez X, Sempertegui M, Griffiths J, Noel S, Dallal G, Selhub J, **Meydani SN**. Metabolic syndrome in elderly living in marginal peri-urban communities in Quito, Ecuador, *Public Health Nutr*. 2010, 14(5):758-767. **PMCID: PMC3025090**

Ren Z, Pae M, Dao MC, Smith D, **Meydani SN**, Wu D. Dietary supplementation with tocotrienols enhances immune function in C57BL/6 mice. *J. Nutr.*, 2010, 140: 1335-1341.

Belisle SE, Hamer DH, Leka LS, Dallal GE, Delgado-Lista J, Fine BC, Jacques PF, Ordovas JM, **Meydani SN**. IL-2 and IL-10 gene polymorphisms are associated with respiratory tract infection and may modulate the effect of vitamin E on lower respiratory tract infections in elderly nursing home residents. *Am J Clin Nutr*. 2010 Jul;92(1):106-14. Epub 2010 May 19. **PMCID:PMC2884322**

Han SN, Pang E, Zingg J-M, **Meydani S**, Meydani M, Azzi A. Differential effects of natural and synthetic vitamin E on gene transcription in murine T lymphocytes. *Arch. Biochem. Biophys*. 2010; 495: 49-55.

Ren Z, Gay R, Thomas A, Pae M, Wu D, Logsdon L, Mecsas J, **Meydani SN**. Effect of age on susceptibility to *Salmonella typhimurium* infection in C57BL/6 mice. *J. Med. Microbiol*. 2009, 58: 1559-67. **PMCID: PMC2783761**

Ahmed T, Das SK, Golden JK, Saltzman E, Roberts SB, **Meydani SN**. Calorie restriction enhances T-cell-mediated response in adult overweight men and women. *J Geront*. 2009, 64A(11): 1107–1113. **PMCID:PMC2759570**

Belisle SE, Leka LS, Lista JD, Jacques PF, Ordovas JM, **Meydani SN**. Polymorphisms at cytokine genes may determine the effect of vitamin E on cytokine production in the elderly, doi: 10.3945/jn.109.112268. *J Nutr*. 2009, 139: 1855-1860. **PMCID: PMC2744609**

Wu D, Guo Z, Ren Z, Guo W, **Meydani SN**. Green tea EGCG suppresses T cell proliferation through impairment of IL-2/IL-2 receptor signaling. *FRBM*, 2009, 47: 636-643

Marko MG, Pang HJ, Ren Z, Azzi A, Huber BT, Bunnell SC, **Meydani SN**. Vitamin E reverses impaired linker for activation of T cells activation in T cells from aged C57BL/6 mice. *J. Nutr.*, 2009, 139: 1192-97.
PMCID:PMC2714384

Mernitz H, Lian F, Smith DE, **Meydani SN**, and Wang X-D. Fish oil supplementation inhibits NNK-induced lung carcinogenesis in the A/J mouse. *Nutrition and Cancer: an International Journal*. 2009, 61: 1-5 **PMCID: PMC2765662**

Hamer DH, Sempertegui F, Estrella B, Tucker KL, Rodriguez A, Egas J, Dallal GE, Selhub J, Griffiths JK, **Meydani SN**. Micronutrient deficiencies are associated with impaired immune response and higher burden of respiratory infections in elderly Ecuadorians. *J Nutr.*, 2009, 139: 113-119. **PMCID: PMC2646211**

Belisle SE, Leka LS, Dallal G, Jacques P, Lista JD, Ordovas JM, **Meydani SN**. Cytokine response to vitamin E supplementation is dependent on pre-supplementation cytokine levels. *Biofactors*, 2008, 33: 191-200.
PMCID: PMC2769508

Ren Z, Guo Z, **Meydani SN**, Wu D. White button mushroom enhances maturation of bone marrow derived dendritic cells and their antigen presenting function in mice. *J. Nutr.* 138: 544-550, 2008.

Falsey AR, Dallal GE, Formica MA, Andolina GG, Hamer DH, Fine BC, Leka LL, **Meydani SN**, Long-term care facilities: A cornucopia of viral Pathogens. *JAGS*; 2008, 56: 1281-1285. **PMCID: PMC2875942**

Villamor E, Mugusi F, Urassa W, Bosch RJ, Saathhoff E, Matsumoto K, **Meydani SN**, Fawzi WW. A trial of micronutrient supplementation on treatment outcome, T-cell counts, morbidity, and mortality in adults with pulmonary tuberculosis. *J. Infect. Diseases*, 2008; 197: 1499-1505 **PMCID: PMC2564793**

Ahmed T, Hamer DH, **Meydani SN**. Effects of repeated administration of intradermal skin test by Mantoux method on delayed-type hypersensitivity responses in healthy young and elderly subjects. (Letter to the Editor), *Br. J. Nutr.*, 2008; 99: 1388-90.

Meydani SN, Barnett JB, Dallal GE, Fine BC, Jacques PF, Leka LS, Hamer DH. Serum zinc and pneumonia in nursing home elderly. *AJCN*, 86: 1167-73, 2007. **PMCID: PMC2323679**

Wu D, Ren Z, Pae M, Guo W, Cui X, Merrill AH, **Meydani SN**. Aging up-regulates expression of inflammatory mediators in mouse adipose tissue. *J. Immunol.*, 179 4829-39, 2007.

Wu D, Pae M, Ren Z, Guo Z, Smith D, **Meydani SN**. Dietary Supplementation with White Button Mushroom Enhances Natural Killer Cell Activity in C57BL/6 Mice; *J. Nutr.* 137: 1472-1477, 2007.

Marko, GM, Ahmed, T, Bunnell, SC, Wu, D, Chung, H, Huber, BT, **Meydani SN**. Age-associated decline in effective immune synapse formation of CD4+ T cells is reversed by vitamin E supplementation. *J. Immunol.* 178: 1443-1449. 2007.

Gay RT, Belisle S, Beck MA, **Meydani SN**. An aged host promotes the evolution of an avirulent coxsackievirus into a virulent strain. *PNAS*, 103: 13825-13830, 2006.

- Han SN, Adolfsson O, Lee C-K, Prolla TA, Ordovas J, **Meydani SN**. Age and vitamin E-induced changes in Gene Expression Profiles of T cells, *J. Immunol*; 177: 6052-6061, 2006.
- Sempértegui F, Estrella B, Elmieh N, Jordan M, Ahmed T, Rodríguez A, Tucker KL, Hamer DH, Reeves PG, **Meydani SN**. Nutritional, immunological, and health status of the elderly population living in poor neighborhoods of Quito, Ecuador. *Br. J. Nutr.* 96: 845-853, 2006.
- Wu D, Han SN, Meydani M, **Meydani SN**. Effect of concomitant consumption of fish oil and vitamin E on T cell mediated function in the elderly: a randomized double-blind controlled trial, *JACN*, 25: 300-306, 2006.
- Gismondi, PM, Hamer, DH, Leka, LS, Dallal, G, Fiatarone Singh, MA, **Meydani, SN**. Strategies, time, and costs associated with the recruitment and enrollment of nursing home residents for a micronutrient supplementation clinical trial. *J. Gerontology*, 60A: 1469-1474, 2005.
- Wu D, Liu L, Meydani M, **Meydani SN**. Vitamin E increases production of vasodilator prostanoids in human aortic endothelial cells through opposing effects on cyclooxygenase-2 and phospholipase A2. *J. Nutr.*, 135: 847-1853, 2005.
- Meydani SN**, Lau J, Dallal GE, Meydani M. Letter to the Editor: High-Dose Vitamin E Supplementation and All-Cause Mortality. *Annals of Internal Medicine*, 143; 153, 2005.
- Hamer DH, **Meydani SN**. Vitamin E and respiratory tract infections in elderly persons. Letter to the editor. *JAMA*, 292: 2834, 2004.
- Meydani SN**, Leka LS, Fine BC, Dallal GE, Keusch GT, Singh MF, Hamer DH. Vitamin E and respiratory infections among elderly nursing home residents: a randomized controlled trial. *JAMA*, 292:828-836, 2004.
- Han SN, Leka LS, Lichtenstein AH, Ausman LM, Schaefer EJ, **Meydani SN**. Effect of therapeutic lifestyle change (TLC) on immune function of moderately hypercholesterolemic humans. *J. Lipid Research*, 44: 2304-2310, 2003.
- Wu D, Marko M, Claycombe K, Paulson KE, **Meydani SN**. Ceramide-induced and age-associated increase in macrophage COX-2 expression: role of NF-kappaB. *J Biol. Chem.*, 278: 10983-10992, 2003.
- Santos MS, Lichtenstein AH, Leka LS, Goldin B, Schaefer EJ, **Meydani SN**. Immunological effects of low-fat diets with and without weight loss. *JACN*, 22 (2): 174-182, 2003.
- Chung H, Wu D, Gay R, Han SN, Goldin B, Bronson R, Mason J, Smith DE, **Meydani SN**. Effect of age on susceptibility to azoxymethane-induced colonic aberrant crypt foci formation in C57BL/6JNIA mice. *J. Gerontol.*, 58A (5): 400-405, 2003.
- Breitbart E, Wang X, Leka LS, Dallal J, **Meydani SN**, Stollar BD. Memory B cell numbers: a marker of variability among aging humans. *J. Gerontol.* 57A: B304-B311, 2002.
- Chung H, Wu D, Han SN, Gay R, Goldin B, Bronson RE, Mason JB, Smith DE, **Meydani SN**. Vitamin E supplementation does not alter azoxymethane-induced colonic aberrant crypt foci formation in young or old mice. *J. Nutr.*, 133: 528-32, 2002.
- Hays NP, Bathalon GP, **Meydani SN**, Leka LS, Lipman R, Roubenoff R, Schaefer EJ, Roberts SB. Metabolic aging and predicted longevity: results of a cross-sectional study in post-menopausal women. *Aging Clin Exp Res.*, 14: 465-473, 2002.

Arjmandi BH, Juma S, Beharka AA, Bapna M, **Meydani SN**. Vitamin E improves bone quality in the aged but not in young adult male mice. *J. Nutr. Biochem.*, 13:543-549, 2002.

Claycombe, KJ, Wu D, Nikolova-Karakashian M, Palmer H, Beharka A, Paulson KE and **Meydani SN**. Ceramide mediates age-associated increase in macrophage cyclooxygenase (COX-2) expression. *J. Biol. Chem.*, 277: 30784-30791, 2002.

Agostinucci K., Manfredi TG, Cosmas A, Martin K, Han SN, Wu D, Sastre J, Meydani SN, Meydani M. Vitamin E and age alter liver mitochondrial morphometry. *J Anti-Aging Med*, 5:173-178, 2002.

Kim Y-I, Hayek M, Mason JB, Meydani SN. Severe folate deficiency impairs natural killer cell-mediated cytotoxicity in rats. *J. Nutr.*, 132: 1361-1367, 2002.

Han SN, Leka LS, Lichtenstein AH, Ausman LM, Schaefer EJ, **Meydani SN**. Effect of hydrogenated and saturated, relative to polyunsaturated fat on immune and inflammatory responses of adults with moderate hypercholesterolemia. *J. Lipid Research*, 43: 445-452, 2002.

Beharka AA, Wu D, Serafini M, **Meydani SN**. Mechanism of Vitamin E inhibition of cyclooxygenase activity in macrophages from old mice: role of peroxynitrite. *Free Radic. Biol. Med.*, 32: 503-511, 2002.

Adolfsson O, Huber BT, **Meydani SN**. Vitamin E-enhanced IL-2 production in old mice: naïve but not memory T cells show increased cell division cycling and IL-2 producing capacity. *J. Immunol.*, 167: 3809-3817, 2001.

Wu D, Hayek MG, **Meydani SN**. Vitamin E and macrophage cyclooxygenase regulation in the aged. *J. Nut.*, 131:382S-388S, 2001.

Bathalon GP, Hays NP, **Meydani SN**, Dawson-Hughes B, Schaefer EJ, Lipman R, Nelson M, Greenberg AS, Roberts SB. Metabolic, psychological, and health correlates of dietary restraint in healthy postmenopausal women. *J Gerontol.*; 56A, (4): M206-M211, 2001.

Hamer DH, **Meydani SN**. Letter to the Editor. *Arch Intern Med.*; 161:482, Feb 12, 2001.

Beharka AA, Paiva S, Leka LS, Ribaya-Mercado J, Russell RM, **Meydani SN**. Effect of age on the gastrointestinal-associated mucosal immune response of humans. *J. Gerontol.*; 56A (5):B218-B223, 2001.

Beharka AA, Meydani M, Wu D, Leka LS, Meydani A, **Meydani SN**. IL-6 production does not increase with age. *J. Gerontol.*; 56A, (2):B81-B88, 2001.

Rall LC, Roubenoff R, **Meydani SN**, Han SN, Meydani M. Urinary 8-hydroxy-2'-deoxyguanosine (8-OHdG) as a marker of oxidative stress in rheumatoid arthritis and aging: effect of progressive resistance training. *J. Nutr. Biochem.*; 11:581-584, 2000.

Han SN, Meydani M, Wu D, Bender BS, Smith D, Vina J, Cao G, Prior RL, **Meydani SN**. Effect of long-term dietary antioxidant supplementation on influenza virus infection. *J. Gerontol.*; 55A, No. 9:B1-B8, 2000.

Bugianesi R, Serafini M, Simone F, Wu D, **Meydani SN**, Ferro-Luzzi A, Azzini E, Maiani G. High-performance liquid chromatography with coulometric electrode array detector for the determination of quercetin levels in cells of the immune system. *Analytical Biochemistry*; 284: 296-300, 2000.

- Han SN, Wu D, Ha WK, Beharka AA, Smith D, Bender BS, **Meydani SN**. Vitamin E supplementation increases Th1 cytokine production in old mice infected with influenza virus infection. *Immunology*; 100:487-493, 2000.
- Wu D, Meydani M, Beharka AA, Serafini M, Martin KR, **Meydani SN**. In vitro supplementation with different tocopherol homologues can affect the function of immune cells in old mice. *Free Radic. Biol. Med.*; 28:643-651, 2000.
- Beharka AA, Han SN, Adolfsson O, Wu D, Smith D, Lipman R, Cao G, Meydani M, **Meydani SN**. Long-term dietary antioxidant supplementation reduces production of selected inflammatory mediators by murine macrophages. *Nutr Res*; 20: 281-296, 2000.
- Booth SL, Nelson ME, Mason JB, Angelo G, **Meydani SN**. Dietary supplements for peri- and postmenopausal women: A proposal. *Nutr. Clin. Care.*; 2:361-371, 1999.
- Wu D, Meydani M, Leka LS, Nightingale Z, Handelman GJ, Blumberg JB, **Meydani SN**. Effect of dietary supplementation with black currant seed oil (BCSO) on immune response of healthy elderly humans. *Am. J. Clin. Nutr.*; 70:536-43, 1999.
- Hayek MG, **Meydani SN**, Han SN, Wu D, Watkins B, Dorsey JL, Meydani M, Smith DE. The effect of conjugated linoleic acid on the immune response of young and old C57BL/6NCrIBR mice. *J. Nutr.*; 129:32-38, 1999.
- Freeman LM, Rush JE, Kehayias JJ, Ross JN, **Meydani SN**, Brown DJ, Dolnikowski GG, Marmor BN, White ME, Dinarello CA, Roubenoff R. Nutritional alterations and the effect of fish oil supplementation in dogs with heart failure. *J. Vet. Int. Med.*; 12:440-448, 1998.
- Wu D, Mura C, Beharka AA, Han SN, Paulson KE, Hwang D, **Meydani SN**. Age-associated increase in prostaglandin E₂ synthesis and cyclooxygenase activity in murine macrophages is reversed by vitamin E. *Am. J. Physiol.*; 275:CC661-668, 1998.
- Lipman RD, Bronson RT, Wu D, Smith DE, Prior R, Cao G, Han SN, Martin KR, **Meydani SN**, Meydani M. Disease incidence and longevity are unaltered by dietary antioxidant supplementation initiated during middle age in C57BL/6 mice. *Mech. Age. Dev.*; 103:269-284, 1998.
- Santos MS, Gaziano JM, Leka LS, Beharka AA, Hennekens CH, **Meydani SN**. β -carotene-induced enhancement of natural killer cell activity in elderly men: An investigation of the role of cytokines. *Am. J. Clin. Nutr.*; 68:164-170, 1998.
- Meydani SN**, Meydani M, Blumberg JB, Leka LS, Pedrosa M, Stollar BD, Diamond R, Schaefer EJ. Assessment of the safety of supplementation with different levels of vitamin E in healthy older adults. *Am. J. Clin. Nutr.*; 68:311-318, 1998.
- Wu D, Han SN, Bronson RT, Smith DE, **Meydani SN**. Effect of dietary supplementation with mushroom-derived protein-bound glucan does not enhance immune function in young and old mice. *J. Nutr.*; 128:193-197, 1998.
- Stickel F, Meydani M, Wu D, Bronson RT, Martin A, Smith DE, **Meydani SN**, Russell RM. Effect of vitamin E supplementation on prostaglandin levels in aspirin-induced acute gastric injury in aged rats. *Am. J. Clin. Nutr.*; 66:1218-1223, 1997.

Santos MS, Leka LS, Ribaya-Mercado JD, Russell RM, Meydani M, Hennekens CH, Gaziano JM, **Meydani SN**. Short- and long-term β -carotene supplementation do not influence T cell-mediated immunity in healthy elderly. *Am. J. Clin. Nutr.*; 66:917-924, 1997.

Hayek MG, Mura C, Paulson E, Beharka A, Han SN, Hwang D, **Meydani SN**. Enhanced expression of inducible cyclooxygenase with age in murine macrophages. *J. Immunol.*; 159:2445-2451, 1997.

Hayek MG, Taylor SF, Bender BS, Han SN, Meydani M, Smith D, Eghtesadi S, **Meydani SN**. Vitamin E supplementation decreases lung viral titer in mice infected with influenza. *J. Infect. Dis.*; 176:273-276, 1997.

Meydani SN, Meydani M, Blumberg JB, Leka LS, Siber G, Loszewski R, Thompson C, Pedrosa MC, Diamond RD, Stollar BD. Vitamin E supplementation and in vivo immune response in healthy elderly subjects: A randomized controlled trial. *JAMA*; 277:1380-1386, 1997.

Beharka AA, Wu D, Han SN, **Meydani SN**. Macrophage prostaglandin production contributes to the age-associated decrease in T cell function which is reversed by dietary antioxidants. *Mech. Ageing Dev.*; 93:59-77, 1997.

Martin A, Wu D, Baur W, **Meydani SN**, Blumberg JB, Meydani M. Effect of vitamin E on aortic endothelial cell responses to oxidative injury. *Free Rad. Biol. Med.*; 21:505-511, 1996.

Santos MS, **Meydani SN**, Leka LS, Wu D, Fotouhi N, Meydani M, Hennekens CH, Gaziano JM. Elderly male natural killer cell activity is enhanced by β -Carotene Supplementation. *Am. J. Clin. Nutr.*; 64:772-777, 1996.

Rall LC, Roubenoff R, Cannon JG, Abad LW, Dinarello CA, **Meydani SN**. Effects of strength training on immune response in aging and rheumatoid arthritis. *Med. Sci. Sports Exer.*; 28:1356-1365, 1996.

Endres S, Whitaker RED, Ghorbani R, **Meydani SN**, Dinarello CA. Oral aspirin and ibuprofen increase cytokine-induced synthesis of IL-1 β and of tumor necrosis factor- α ex vivo. *Immunology*; 87:264-270, 1996.

Fotouhi N, Meydani M, Santos M, **Meydani SN**, Hennekens CH, Gaziano JM. Carotenoids and tocopherol concentration in plasma peripheral blood mononuclear cells, and red blood cells following long term β -carotene supplementation in men. *Am. J. Clin. Nutr.*; 63:553-558, 1996.

Rall LC, **Meydani SN**, Kehayias JJ, Dawson-Hughes B, Roubenoff R. The effect of progressive resistance training in rheumatoid arthritis: Increased strength without changes in energy balance or body composition. *Arth. & Rheum.*; 39:415-426, 1996.

Wu D, **Meydani SN**, Meydani M, Hayek M, Huth P, Nicolosi RJ. The immunological effects of marine versus plant-derived (n-3) polyunsaturated fatty acids are different in non-human primates. *Am. J. Clin. Nutr.*; 63:273-80, 1996.

Shapiro L, Pamaryotatos N, **Meydani SN**, Wu D, Dinarello CA. Ciliary neurotrophic factor combined with soluble receptor inhibits synthesis of pro-inflammatory cytokines and prostaglandin E₂ in vitro. *Exper. Cell Research*; 215:51-56, 1994.

Meydani SN, Meydani M, Rall L, Morrow F, Blumberg JB. Safety assessment of short-term supplementation with vitamin E in healthy older adults. *Am. J. Clin. Nutr.* 60:704-709, 1994.

Shapiro AC, Wu D, Hayek MG, Meydani M, **Meydani SN**. Role of eicosanoids and vitamin E in fish oil-induced changes of splenocyte proliferation to T cell mitogens in mice. *Nutr. Res.* 14:1339-1354, 1994.

Hayek M, **Meydani SN**, Meydani M, Blumberg JB. Age Differences in Eicosanoid Production of Mouse Splenocytes: Effects on Mitogen-Induced T-Cell Proliferation. *J. Gerontol: Biol. Sci.* 49:B197-B207, 1994.

Wu D, **Meydani SN**, Sastre J, Meydani M. In vitro glutathione supplementation enhances IL-2 production and mitogenic response of peripheral blood mononuclear cells from young and old subjects. *J. Nutr.* 124:655-663, 1994.

Ferretti A, **Meydani SN**, Lichtenstein AH, Flanagan VP, Schaefer EJ. Prostaglandin E metabolite excretion in normolipidemic elderly subjects is lowered by a moderate reduction of n-6/n-3 polyunsaturated ratio and total fat intake. *Nutr. Res.*; 14:185-193, 1993.

Endres S, **Meydani SN**, Ghorbani R, Schindler R, Dinarello CA. Dietary n-3 fatty acids suppress interleukin-2 production and mononuclear cell proliferation. *J. Leuk. Biology*; 54:599-603, 1993.

Meydani SN, Lichtenstein AH, Cornwall S, Meydani M, Goldin BR, Rasmussen H, Dinarello CA, Schaefer EJ. Immunological effects of national cholesterol education panel (NCEP) step-2 diets with and without fish-derived n-3 fatty acid enrichment. *J. Clin. Invest.*; 92:105-113, 1993.

Meydani, M., **Meydani, SN**, Blumberg, J.B. Modulation of dietary vitamin E and selenium of platelet thromboxane A2 and aortic prostacyclin synthesis in rats. *Nutr. Biochem.*; 4:322-326, 1993.

Meydani M, Evans W, Handelman G, Biddle L, Fielding RA, **Meydani SN**, Burrill J, Fiatarone J, Fiatarone MA, Blumberg JB, Cannon JG. Protective effect of vitamin E on exercise-induced oxidative damage in young and older adults. *Am J. Physiol. Regulatory Integrative Comp Physiol.*; 33:R992-R998, 1993.

Shapiro AC, Wu D, **Meydani SN**. Eicosanoids derived from arachidonic and eicosapentaenoic acids inhibit T cell proliferative response. *Prostaglandins*; 45:229-240, 1993.

Meydani SN, Shapiro AC, Meydani M, Blumberg JB. Lung eicosanoid synthesis is affected by age, dietary fat and vitamin E. *J. Nutr.*; 122:1627-1633, 1992.

Meydani SN, Meydani, M. Letter to the Editor. *J Nutr.*; 122:1748, 1992.

Kowdley KV, Mason JB, **Meydani SN**, Cornwall S, and Grand RJ. Vitamin E deficiency and impaired cellular immunity related to intestinal fat malabsorption. *Gastroenterology*; 102:6:1-4, 1992.

Meydani SN. Dietary modulation of the immune response in the aged. *AGE*; 14 :108-115, 1992.

Meydani SN, White P, Lichtenstein A, Schaefer EJ, Goodnight S, Elson C, Woods M, Gorbach SL. Food uses and health effects of soybean and sunflower oils. *Am. Coll. Nutr.*; 10(5):406-428, 1991.

Ronnenberg AG, Gross KL, Hartman WJ, **Meydani SN**, Prior RL. Effects of dietary arginine deficiency and supplementation on lymphocyte proliferation and IL-2 production in young and aged rats. *J. Nutr.*; 121:1270-1278, 1992.

Cannon JG, **Meydani SN**, Fielding RA, Meydani M, Fiatarone MA, Meydani M, Farhangmehr M, Orencole SF, Blumberg JB, Evans WJ. The acute phase response in exercise II: Associations between vitamin E, cytokines and muscle proteolysis. *Am. J. Physiol.*; 29:R1235-40, 1991.

Shapiro AC, **Meydani SN**, Meydani M, Morrow F, McNamara JR, Schaefer EJ, Blumberg JB, Endres S, Dinarello CA. The effect of fish oil supplementation on plasma alpha-tocopherol, retinol, lipid and lipoprotein levels in normolipidemic subjects. *Nutr. Res.*; 11:539-548, 1991.

Meydani SN, Ribaya-Mercado J, Russell RM, Sahyoun N, Morrow FD, Gershoff SN. Vitamin B₆ deficiency impairs interleukin 2 production and lymphocyte proliferation of older adults. *Am. J. Clin. Nutr.*; 53:1275-1280, 1991.

Meydani SN, Endres S, Woods MM, Goldin BR, Soo C, Morrill-Labrode A, Dinarello CA, Gorbach SL. Oral n-3 fatty acid supplementation suppresses cytokine production and lymphocyte proliferation: comparison in young and older women. *J. Nutr.*; 121:547-555, 1991.

Meydani M, **Meydani SN**, Shapiro AC, Macauley JB, Blumberg JB. Influence of dietary fat, vitamin E, ethoxyquin, and indomethacin on the synthesis of PGE₂ in brain regions of mice. *J. Nutr.* 121:438-443, 1991.

Meydani SN, Meydani M, Cannon JG, Rocklin R, Blumberg JB. Vitamin E supplementation of elderly people - Letter to the Editor. *Am. J. Clin. Nutr.* 53:976-977, 1991.

Meydani SN. Letter to the Editor. *Am. J. Clin. Nutr.* 53:984, 1991.

Dupont, J, White PJ, Schaefer EJ, **Meydani SN**, Elson CE, Woods M, Gorbach SL, Carpenter MP. Food uses and health effects of corn oil. *Am. Coll. Nutr.* 9:438-470, 1990.

Cannon JG, Orencole SF, Fielding RA, Meydani M, **Meydani SN**, Fiatarone MA, Blumberg JB, Evans WJ. Acute phase response in exercise: interaction of age and vitamin E on neutrophils and muscle enzyme release. *Am. J. Physiol.* 259:R1214-R1219, 1990.

Meydani SN, Endres S, Woods MM, Goldin B, Soo C, Morrill-Labrode A, Dinarello CA, Gorbach SL. Effect of oral n-3 fatty acid supplementation on the immune response of young and older women. *Adv. Prostaglan. Thrombox. Leuk. Res.* 21A:245-248, 1990.

Endres S, **Meydani SN**, Dinarello CA. Effects of w3 fatty acid supplements on ex vivo synthesis of cytokines in human volunteers - Comparison with oral aspirin and ibuprofen. *World Rev. Nutr. Diet.* 65:1-5, 1990.

Meydani SN, Barklund MP, Liu S, Meydani M, Miller R, Cannon JG, Morrow F, Rocklin R, Blumberg JB. Vitamin E supplementation enhances cell-mediated immunity in healthy elderly. *Am. J. Clin. Nutr.* 52:557-563, 1990.

Meydani SN, Ribaya-Mercado JD, Russell RM, Sahyoun N, Morrow FD, Gershoff SN. Effect of vitamin B₆ on immune response of healthy elderly. *Ann. NY Acad. Sci.* 587:303-306, 1990.

Meydani SN, Meydani M, Blumberg JB. Antioxidants and the aging immune response. *Adv. Exp. Med. Biol.* 262:57-68, 1990.

Dinarello CA, Endres S, **Meydani SN**, Meydani M, Hellerstein MK. Interleukin-1, anorexia and dietary fatty acids. *Ann. NY Acad. Sci.* 587:332-338, 1990.

Meydani SN, Lipman R, Blumberg JB, Taylor A. Dietary energy restriction decreases ex-vivo spleen prostaglandin E₂ synthesis in Emory mice. *J. Nutr.* 120:112-115, 1990.

- Wu W, Meydani M, **Meydani SN**, Barklund PM, Blumberg JB, Munro HN. Effect of dietary iron overload on lipid peroxidation, prostaglandin synthesis and lymphocyte proliferation in young and old rats. *J. Nutr.* 120:280, 1990.
- Meydani SN**, Meydani M, Barklund PM, Lui S, Miller RA, Cannon J, Rocklin R, and Blumberg JB. Effect of vitamin E supplementation on immune responsiveness of aged. *Ann. NY Acad. Sci.* 570:283-290, 1989.
- Hellerstein M, **Meydani SN**, Meydani M, Wu K, Dinarello C. Interleukin-1-induced anorexia in rats - influence of prostaglandins. *J. Clin. Invest.* 84:228-235, 1989.
- Meydani SN**, Yogeewaran G, Liu S, Baskar S, Meydani M. Fish oil and tocopherol induced changes in natural killer cell mediated cytotoxicity and PGE₂ synthesis in young and old mice. *J. Nutr.* 118:1245-1252, 1988.
- Meydani SN**, Stocking LM, Shapiro AC, Meydani M, Blumberg JB. Fish Oil and tocopherol induced changes in ex-vivo synthesis of spleen and lung leukotriene B₄(LTB₄) in mice. *Ann. NY Acad. Sci.* 524:395-397, 1988.
- Triau JE, **Meydani SN**, Schaefer EJ. Oxidized low density lipoproteins stimulate prostacyclin production by adult human vascular endothelial cells. *Arteriosclerosis* 8:810-818, 1988.
- Meydani SN**, Shapiro AA, Meydani M, McCauley JB, Blumberg JB. Effect of age and dietary fat (fish oil, corn oil, and coconut oil) on tocopherol status of C56BL/6Nia mice. *J. Lipids* 22:345-350, 1987.
- Furukawa T, **Meydani SN**, Blumberg JB. Reversal of age-associated decline in immune responsiveness by dietary glutathione supplementation in mice. *Mech. Ageing Dev.* 38:107-117, 1987.
- Cathcart ES, Leslie CA, **Meydani SN**, Hayes KC. A fish oil diet retards experimental amyloidosis, modulates lymphocyte function and decreases macrophage arachidonate metabolism in mice. *J. Immunol.* 139:1850-1854, 1987.
- Meydani SN**, Meydani M, Verdon CP, Shapiro AA, Blumberg JB, Hayes KC. Vitamin E supplementation suppresses prostaglandin E₂ synthesis and enhances the immune response of aged mice. *Mech. Ageing Dev.* 34:191-201, 1986.
- Meydani SN**, Siguel E, Shapiro AC, Blumberg JB. Fish consumption and mortality from coronary heart disease. *N. Engl. J. Med.* 313:822, 1985.
- Meydani M, **Meydani SN**, Macauley JB, Blumberg JB. Influence of dietary vitamin E and selenium on the ex-vivo synthesis of PGE₂ in brain regions of young and old rats. *Prost. Leuk. Med.* 18:337-346, 1985.
- Meydani SN**, Nicolosi RJ, Hayes KC. Effect of long-term feeding of corn oil or coconut oil diets on immune response and prostaglandin E₂ synthesis of squirrel and cebus monkeys. *Nutr. Res.* 5:993-1002, 1985.
- Meydani M, **Meydani SN**, Hathcock JN. Atrazine and methyl mercury toxicity increases TxB₂ and PGE₁ synthesis. *Prost. Leuk. Med.* 2:217-233, 1984.
- Meydani SN**, Nicolosi RJ, Hayes KC, Sehgal PK. Altered lipoprotein metabolism in spontaneous vitamin E deficiency of owl monkeys. *Am. J. Clin. Nutr.* 38:888-894, 1983.

Meydani SN, Meydani M, Dupont J. Effect of prostaglandin modifiers and zinc deficiency on possibly related functions in rats. *J. Nutr.* 113:494-500, 1983.

Meydani SN, Nicolosi RJ, Brady PS, Hayes KC. Vitamin E-responsive hemolytic anemia in owl monkeys. *Ann. NY Acad. Sci.* 393:203-205, 1982.

Walsh FX, Nicolosi RJ, **Meydani SN**, Sehgal PK, Hayes KC. Hemolytic anemia of owl monkeys: Red blood cell lipid alterations. *Proc. Soc. Exp. Biol. Med.* 169:253-259, 1982.

Meydani SN, Dupont J. Effect of zinc deficiency on prostaglandin levels in different organs of the rat. *J. Nutr.* 112:1098-1104, 1982.

Eslami A, **Nikbin (Meydani) S.**, Rahbari S. Lung worms of wild sheep (*Avis orientalis*) and of gazelle (*Gazella subgutturosa*) in Iran. *J. Vet. Fac., Univ. Tehran.* 1982.

Dupont J, **Meydani SN**, Case GL, Phillips RW, Lewis LD. Prostaglandins and their metabolites in the gastrointestinal tract of Yucatan miniature swine. *Am. J. Clin. Nutr.* 34:2048-2054, 1981.

Eslami A, Rahbari S, **Nikbin (Meydani) S.** Gastrointestinal nematodes of gazelles from Iran. *Vet. Parasitol.* 7:75-85, 1980.

Casey C, **Meydani SN**, Hambidge KM, Dupont J. Prostaglandins in human duodenal secretion. *Prostaglandins Med.* 4:449-451, 1980.

Meydani SN, Mathias MM, Schatte C. Effect of dietary fat and aspirin on pulmonary oxygen toxicity mediated by prostaglandins. *Prostaglandins Med.* 1:421-249, 1978.

Publications: Book Chapters, Reviews, and Monographs

Molano A and **Meydani SN**. Vitamin E, signalosomes and gene expression in T cells. *Mol. Aspects Med.*, 2012; 33: 55-62.

Wu D, Wang J, Pae M, **Meydani SN**. Green tea EGCG, T cells, and T cell-mediated autoimmune diseases. *Mol. Aspects Med.* 2011, 33: 107-118.

Barnett J, Hamer DH, **Meydani SN**. Low zinc status: a new risk factor for pneumonia in the elderly? *Nutr Rev*, 2010; 68: 30-37. **PMCID: PMC2854541**

Dao MC and **Meydani SN**. Micronutrient status and immune response in the elderly. *Sight and Life Magazine.* 2009; 3: 6-15.

Wu D and **Meydani SN**. Age-associated changes in immune and inflammatory response: impact of vitamin E intervention. *J. Leuk. Biol.* 2008; 84:900-914. **PMCID: PMC2538592**

Meydani SN and Wu D. "Nutrition and age-associated inflammation: implications for disease prevention." *JPEN.* 2008; 32: 626-629. (Proceedings)

Meydani SN and Wu D. Age-associated inflammatory changes: role of nutritional intervention, *Nutrition Reviews*, 2007; 65: S213-S216.

Meydani SN and Han SN. Nutrient regulation of the immune response: The case of vitamin E. Bowman BA, Russell RM, eds. IN: Present Knowledge of Nutrition, 9th Edition, Vol. II. Washington, DC: International Life Sciences Institute Press; pp. 585-603, 2006.

Han SN and **Meydani SN**. Impact of vitamin E on immune function and its clinical implications. Expert Review of Clinical Immunology; 2: 561-567, 2006.

Meydani SN and Eksir F. Optimization of immune function in military personnel. In: Nutrient Composition of Rations for Short-Term, High-Intensity Combat Operations. Eds. Institute of Medicine of the National Academies, The National Academies Press, Washington, DC; 330-336, 2006.

Meydani SN, Han SN, Wu D. Vitamin E and immune response in the aged: Molecular mechanisms and clinical implications. Immunological Reviews; 205: 269-284, 2005.

Meydani A, Ahmed T., **Meydani SN**. Aging, nutritional status and infectious diseases in developing world. Nutrition Reviews; 63:233-46, 2005.

Ahmed T, Marko M, Wu D, Chung H, Huber B, **Meydani SN**. Vitamin E supplementation reverses the age-associated decrease in effective immune synapse formation. In: Vitamin E and Health. Kelly F, Meydani M, Packer L, eds.; Ann. N.Y. Acad. Sci., New York, New York, 1031: 412-414. (www.annalsnyas.org), 2004.

Gay R, Han SN, Marko M, Belisle S, Bronson R, **Meydani SN**. The effect of vitamin E on secondary bacterial infection after influenza infection in young and old mice. In: Vitamin E and Health. Kelly F, Meydani M, Packer L, eds.; Ann. N.Y. Acad. Sci., New York, New York, 1031: 418-421. (www.annalsnyas.org), 2004.

Wu D, Han SN, Meydani M, **Meydani SN**. Effect of concomitant consumption of fish oil and vitamin E on production of inflammatory cytokines in healthy elderly humans. In: Vitamin E and Health. Kelly F, Meydani M, Packer L, eds.; Ann. N.Y. Acad. Sci., New York, New York, 1031: 422-424. (www.annalsnyas.org), 2004.

Wu D, Liu L, Meydani M, **Meydani SN**. Effect of vitamin E on prostacyclin (PGI₂) and prostaglandin (PG) E₂ production by human aorta endothelial cells. In: Vitamin E and Health. Kelly F, Meydani M, Packer L, eds.; Ann. N.Y. Acad. Sci., New York, New York, 1031: 425-427. (www.annalsnyas.org), 2004.

Meydani SN. Vitamin E and respiratory infection in the elderly. In: Vitamin E and Health. Kelly F, Meydani M, Packer L, eds.; Ann. N.Y. Acad. Sci., New York, New York, 1031: 214-222. (www.annalsnyas.org), 2004.

Han SN, **Meydani SN**. Gene expression profiling of immune cells: application for understanding aging of immune cells. In: Genomics and Proteomics in Nutrition. Moustaid-Moussa N, Derdancier CD, eds. Marcel Dekker, Inc.; 297-315, 2004.

Han SN, **Meydani SN**. Vitamin E. In: Diet and Human Immune Function. Hughes DA, Darlington LG, Bendich A, eds. Humana Press Inc., Totowa, NJ; 149-164, 2004.

Adolfsson O, **Meydani SN**, Russell RM. Yogurt and gut function.; AJCN, 80: 245-256, 2004.

Wu D, **Meydani SN**. Mechanism of age-associated upregulation in macrophage PGE₂ synthesis. Brain Behav Immun.; 18: 487-494, 2004.

Meydani SN, Chung H, Han SN. Effect of selenium and vitamin E status on host defense and resistance to infection. Delange FM and West KP, Jr., eds. In: Micronutrient Deficiencies in the First Months of Life. Nestle

Nutrition Workshop Series Pediatric Program. S. Karger AG, Nestec Ltd. and Basel, Switzerland.; 52: 165-180, 2003.

Claycombe KJ, Wu D, **Meydani SN**. Eicosanoids and immune function in the aged: dietary modification. In: Essential Fatty Acids and Eicosanoids. Huang Y-S, Lin S-J, Huang P-C, eds. AOCS Publisher, Champaign, Illinois Publisher;; 227-229, 2003.

Han SN, Adolfsson O, **Meydani SN**. Vitamin E and enhancement of the immune response in the aged: cellular and molecular mechanisms. In: The Antioxidant Vitamins C and E. Packer L, Traber M and Frei, eds. AOCS Publisher, Champaign, Illinois Publisher;; 216-227, 2002.

Adolfsson O, **Meydani SN**. Nutrition and the Aging Immune Response. In: Nutrition and Aging. (Nestle Nutrition Workshop Series-Clinical & Performance Program, Rosenberg IH and Sastre A, eds. Nestec Ltd. and Karger, Basel. Switzerland.; 6:207-221, 2002.

Meydani SN and Erickson KL. Nutrients as regulators of immune function: Introduction. The FASEB Journal,; 15 (14): 2555, December 2001.

Meydani SN. Vitamin E, immunity, and aging. In: Current Perspectives in Senior Dog and Cat Nutrition. Proceedings from the Tufts Animal Expo 2001, The Iams Company, Dayton, Ohio; 38-43, 2001.

Gay R, **Meydani SN**. The effects of Vitamin E, Vitamin B₆, and Vitamin B₁₂ on immune function. Nutrition in Clinical Care; 4 (4):188-198, 2001.

Meydani SN and Han SN. Nutrient regulation of the immune response: the case of vitamin E. In: Present Knowledge in Nutrition, 8th Edition, Bowman B, Russell RM, eds. Washington, DC: ILSI Press; 449-462, 2001.

Meydani SN, Claycombe KJ, Sacristan C. Vitamin E and gene expression. In: Nutrition-Gene Interactions in Health and Disease, Boca Raton, Florida, CRC Press LLC; 393-424, 2001.

Meydani SN, Fawzi WW, Han SN. The effect of vitamin deficiencies (E and A) and supplementation on infection and immune response. In: Nutrition, Immunity, and Infection in Infants and Children, Suskind RM and Tontisirin K, eds. Philadelphia, PA, Nestec Ltd., Vevey/Lippincott Williams & Wilkins; 45: 213-241, 2001.

Claycombe KJ, **Meydani SN**. Vitamin E and genome stability. Mutation Research; 475:37-44, 2001.

Hayek MG, **Meydani SN**. Effect of vitamin E on infection and immunity. In: The Science of Geriatrics, Volume II. Armbrrecht HJ, Coe RM, Morley JE, eds. Baltimore, Maryland, Johns Hopkins University Press; 583-594, 2000.

Meydani SN. Advances in preventive medicine: nutrition and immune function in the elderly. In: Frontiers in Biomedicine. Goldstein AL, ed. New York, New York, Kluwer Academic/Plenum Publishers; 19-29, 2000.

Meydani, SN. Can functional foods be used to improve the immune response of the elderly? In: Functional Foods 2000-Conference Proceedings. Leatherhead Publishing, Surrey, England; 247-257, 2000.

Han SN, **Meydani SN**. Antioxidants, cytokines, and influenza infection in aged mice and elderly humans. J. Infectious Disease; 182: 574-581, 2000.

- Meydani SN**, Beharka AA. Vitamin E and immune response in the aged. In: *Bibliotheca Nutrition et Dieta*, Vol. 55. Basel, Switzerland, Karger AG; 148-158, 2000.
- Meydani SN**, Fawzi W, Han SN. The effect of vitamin deficiencies (E and A) and supplementation on infection and immune response. In: *Nutrition, Immunity, and Infectious Diseases in Infants and Children*. Nestle Nutrition Workshop Series, Vol. 45. Nestec, LTD, Vevey, (Switzerland); 213-241, 2000.
- Meydani SN**, McElreavy TS, Meydani M. Antioxidants and immune function. In: *Exercise, Nutrition, and the Older Woman*. Fiatarone MA, ed. Boca Raton, FL: CRC Press LLC; 183-205, 2000.
- Meydani SN**, Ha W. Immunological effects of yogurt. *Am. J. Clin. Nutr.*; 71:861-872, 2000.
- Bronson R, Birt D, **Meydani SN**. Biomarkers as early predictors of long-term health status and human immune function. *Nutr. Rev.*; 57:S7-S12, 1999.
- Han SN, **Meydani SN**. Vitamin E and infectious diseases in the aged. *Proceedings of the British Nutrition Society*; 58:697-705, 1999.
- Meydani SN**, Santos MS. Aging: Nutrition: nutrition and immunity. In: *Nutrition and Immunology: Principles and Practice*. Gershwin ME, German B, Keen C, eds. New Jersey: Humana Press, Inc.; 403-421, 1999.
- Wu D, **Meydani SN**. Antioxidants and immune function. In: *Antioxidant Status, Diet, Nutrition, and Health*. Papas A, ed. CRC Press; pp. 371-400, 1999.
- Rall LC, **Meydani SN**. Vitamin E, vitamin C, and immune response: recent advances. In: *Military Strategies for Sustainment of Nutrition and Immune Function in the Field*. Committee on Military Nutrition. Washington, DC: National Academy Press, pp. 289-303, 1999.
- Meydani SN, Beharka AA. Recent developments in vitamin E and immune response. *Proceedings of the Third International Conference on Nutrition and Aging: Longevity and Dietary Life*. ILSI Japan, Tokyo, Japan; 30-43, 1999.
- Wu D, **Meydani SN**. n-3 polyunsaturated fatty acids and immune function. *Proceedings of the British Nutrition Society*; 57:503-509, 1998.
- Meydani M, Lipman RD, Han SN, Wu D, Beharka A, Martin KR, Bronson R, Cao G, Smith D, **Meydani SN**. The effect of long-term dietary supplementation with antioxidants. In: *Towards the Prolongation of the Healthy Lifespan: Practical Approaches to Intervention*. Harman D, Holliday R, Meydani M, eds. *Ann. NY Acad. Sci.*; 854:352-360, 1998.
- Meydani SN**, Santos MS, Wu D, Hayek MG. Antioxidant modulation of cytokines and their biologic function in the aged. *Euro J. Clin. Nutr.*; 37 (Suppl 1):35-42, 1998.
- Meydani SN**, Hayek MG, Wu D, Meydani M. Vitamin E and the aging immune response: In: *Recent Advances in Canine and Feline Nutrition, Volume II*. The 1998 Iams Nutrition Symposium Proceedings, pp. 295-303, 1998.
- Meydani SN**. Scientific editor: nutrition and immunity. *Supplement Nutr. Reviews*; 56:188, 1998.

Meydani SN, Beharka AA. Recent developments in vitamin E and immune response. *Nutr. Rev.*, 56: S49-S64, 1998.

Neumann DA, Ansari AA, **Meydani SN**. Conference on nutrition and immunity. *Nutr Today*, 32:240-247, 1997.

King JC, Black RE, Doyle MP, Fritsche KL, Halbrook BH, Levander OA, **Meydani SN**, Walker WA, Woteki CE. Foodborne illnesses and nutritional status: a statement from an American Society for Nutritional Sciences Working Group. *J. Nutr.*; 130, No. 10:2613-2617, 1997.

Meydani SN, Hayek MG. Vitamin E and the aging immune response. In: Proceedings of the 15th Annual American College of Veterinary Internal Medicine Forum. Veterinary Learning Systems, Trenton, New Jersey, pp. 9-15, 1997.

Beharka AA, Redican S, Leka L, **Meydani SN**. Vitamin E status and immune function. In: *Methods in Enzymology: Vitamins and Coenzymes*. McCormick DB, Suttie JW, Wagner C, eds. Academic Press, Inc, Orlando, Florida, pp. 247-263, 1997.

Santos MS, **Meydani SN**. Letter to the Editor: Jeng et al. paper a disappointment. *Am. J. Clin. Nutr.*; 65:1899-1901, 1997.

Meydani SN, Santos MS, Wu D, Hayek MG. Antioxidant modulation of immune response in the aged. In: *Nutritional Immunomodulation in Disease and Health Promotion: Report of the 15th Ross Research Conference on Medical Issues*. Columbus, Ohio: Ross Products Division, Abbott Laboratories; 58-67, 1996.

Wu D, **Meydani SN**. Gamma-linolenic acid and immune function. *Gamma-Linolenic Acid*. AOCS Press: Champaign, Illinois, 1996.

Meydani SN. Effect of (n-3) polyunsaturated fatty acids on cytokine production and their biologic function. Supplement to *Nutrition* 12:S8-S13, 1996.

Meydani SN, Wu D, Santos MS, Hayek MG. Antioxidants and immune response in the aged: overview of present evidence. *Am. J. Clin. Nutr.* 62 (Suppl): 1462S-1476S, 1995.

Meydani SN, Hayek MG. Vitamin E and aging immune response. *Clinics in Ger. Med.* 11: 567-576, 1995.

Meydani SN. Vitamin E enhancement of T cell-mediated function in healthy elderly: mechanisms of action. Supplement *Nutr. Reviews* 53:52-58, 1995.

Meydani SN. Scientific editor: nutrition, aging and immune function. Supplement *Nutr. Reviews* 53:1995.

Meydani M, **Meydani SN**. The role of oxidative processes in the inflammatory response and immune systems. In: *Oxidative Processes and Antioxidants: Their Relation to Nutrition and Health Outcomes*. Craig L., Hecker AL, eds. Thirteenth Ross Conference on Medical Research. Ross Production Division, Abbot Laboratory, Columbus, Ohio. pp. 60-65, 1994.

Meydani S. Interaction of (n-3) PUFA and vitamin E on the immune response. In: *Fatty Acids and Lipids: Biological Aspects*. World Rev. Nutr. Diet. Basel, Karger. vol 75, pp. 155-161, 1994.

Meydani S. Status of nutritional immunology studies: Where we are and where we should be going. *J. Nutr. Immunol.* 2:93-97, 1994.

Rall L, **Meydani SN**. Vitamin B6 and the immune competence. *Nutr. Rev.* 51:217-225, 1993.

Meydani SN. Vitamin/Mineral supplementation and the aging immune response: Health and dietary requirement implications. *Nutr. Rev.* 51:106-115, 1993.

Meydani SN, Dinarello CA. Influence of (n-3) PUFA on cytokine production and its clinical implications. *Nutr. Clin. Prac.* 8:65-71, 1993.

Meydani SN, Tengerdy R. Vitamin E and immune response. In: *Vitamin E: Biochemical and Clinical Applications*. Packer L, Fuchs J, eds. Marcel Dekker Co., New York, New York. pp. 549-561, 1992.

Meydani M, Evans W, Handelman G, Fielding RA, **Meydani SN**, Fiatarone MA, Blumberg JB, Cannon JG. Antioxidant response to exercise-induced oxidative stress and protection by vitamin E. In: *Beyond Deficiency: New views on the function and health effects of vitamins*, HE. Sauberlich HE, Machlin LJ, eds. *Ann. NY Acad. Sci.*, pp. 363-365, 1992.

Meydani SN, Hayek M, Coleman L. Influence of vitamin E (E) and vitamin E B₆ (B₆) on immune response. In: *Beyond Deficiency: New views on the function and health effects of vitamins*. Sauberlich HE, Machlin LJ, eds. *Ann. NY Acad. Sci.*, pp 125-140, 1992.

Meydani SN, Hayek M. Vitamin E and immune response. In: *Proceedings of International Conference on Nutrition and Immunity*, Chandra RK, ed. ARTS Biomedical Publishers and Distributors, St. John's, Newfoundland, Canada, pp 105-128, 1992.

Meydani SN, Blumberg JB. Vitamin E and the immune response. In: *Nutritional Modulation of Immune Response*. Cunningham-Rundles S, ed. Marcel Dekker Co., New York, New York, pp 223-238, 1992.

Meydani SN. Modulation of cytokine production by dietary polyunsaturated fatty acids. In: *Proceedings of the Society for Experimental Biology and Medicine*. Siskind GW, ed. Williams & Wilkins, Baltimore, Maryland. vol. 200, pp 189-193, 1992.

Meydani SN, Blumberg JB. Vitamin E supplementation and enhancement of immune responsiveness in the aged. In: *Micronutrients in Health and in Disease Prevention*. Bendich A, Butterworth T, eds. Marcel Dekker Co., New York, New York. pp 289-306, 1991.

Meydani SN. Effect of dietary fatty acids and eicosanoids on immune system. In: *Health Effects of Dietary Fatty Acids*. Nelson GJ, ed. Am. Oil Chem. Soc., Champaign, Illinois. pp 167-184, 1991.

Endres S, **Meydani SN**, Dinarello CA. Effects of w3 fatty acid supplements on ex vivo synthesis of cytokines in human volunteers - Comparison with oral aspirin and ibuprofen. In: *Health Effects of w3 Polyunsaturated Fatty Acids in Seafoods*. Simopoulos AP, Kifer RR, Martin RE, Barlow M, eds. vol. 66, pp 401-406, 1991.

Meydani SN. Dietary modulation of cytokine and biological functions. *Nutr. Rev.* 48:361-369, 1990.

Meydani SN. Micronutrients and immune function in elderly. *Ann. NY Acad. Sci.* 587:196-207, 1990.

Furukawa T, **Meydani SN**, Blumberg JB. Dietary glutathione: Potential beneficial action In: *CRC Handbook of glutathione metabolism and physiological functions*. Vina J, ed. CRC Press, West Palm Beach, Florida. pp 351-358, 1990.

Meydani SN, Hellerstein M, Meydani M, Dinarello C. Interleukin-1, induced anorexia is mediated by prostaglandins and is prevented by dietary fish oil. In: *The Health Effect of Fish and Fish Oils*. Chandra RK, ed. ARTS Biomedical Publications, St. Johns, Newfoundland. pp 447-459, 1989.

Shapiro A, **Meydani SN**, Meydani M, Morrow F, Blumberg JB, Endres S, Dinarello C. The effect of fish oil supplementation on plasma-alpha-tocopherol and retinol levels. In: *Health Effects of Fish and Fish Oils*. Chandra RK, ed., ARTS Biomedical Publications, St. Johns, Newfoundland. pp 537-546, 1989.

Meydani SN, Meydani M, Furukawa T, Blumberg JB. Beneficial effect of antioxidants on aging immune system. In: *Oxygen Radicals in Biology and Medicine*, Simic MG, Taylor KA, Ward JF, von Sonntag C, eds. Plenum Press, New York, New York. pp 621-625, 1989.

Meydani SN, Blumberg JB. Nutrition and the immune function in the elderly. In: *Human Nutrition: A Comprehensive Treatise*, vol. VII. Munro H, Danforth D, eds. Plenum Press, New York, New York, pp 61-87, 1989.

Meydani SN, Shapiro AC, Meydani M, Blumberg JB. Effect of fat type and tocopherol supplementation on tocopherol status and eicosanoid synthesis in lung. *Proc. American Oil Chemists Society on Polyunsaturated Fatty Acids and Eicosanoids*, Lands WEM, ed. AOCS Champaign, Illinois. pp 438-441, 1987.

Meydani SN, Yogeewaran G. The effect of fish oil on natural killer cell activity and prostaglandin E₂ synthesis in young and old mice. *Proc. American Oil Chemists Society Short Course on Polyunsaturated Fatty Acids and Eicosanoids*, Lands WEM, ed. AOCS, Champaign, Illinois. pp 513-517, 1987.

Blumberg JB, **Meydani SN**. Role of dietary antioxidants in aging. In: *Bristol Meyer Symposium on Nutrition*. Volume 5. Hutchinson ML, Munro HN, eds. Academic Press, New York. pp 85-94, 1986.

Meydani SN, Cathcart ES, Hopkins RE, Meydani M, Hayes KC, Blumberg JB. Antioxidants in experimental amyloidosis of young and old mice. In: *Amyloidosis*. Glenner GG, Osseman EP, Benditt E., Cokins E, Cohen AS, Zucker-Franklin D, eds. pp 683-692, 1986.