

CURRICULUM VITAE

Susan Raatz, PhD, MPH, RD

CONTACT INFORMATION

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<http://fscn.cfans.umn.edu/faculty-staff/susan-k-raatz>

EDUCATION

1973 Bachelor of Science, Dietetics and Institutional Management
Northern Michigan University, Marquette, MI

1978 Master of Science, Foods and Nutrition
Eastern Michigan University, Ypsilanti, MI

1995 Master of Public Health, Epidemiology
University of Minnesota, Minneapolis, MN

1996 Doctorate of Philosophy, Human and Clinical Nutrition
University of Minnesota, Minneapolis, MN

Dissertation: Metabolic End Products of Linoleic Acid: Response to Variation in Intake
of Total Dietary Fat

PROFESSIONAL TRAINING:

1975-1976 Dietetic Internship, Veterans Administration Medical Center
Saginaw, MI

CERTIFICATION AND LICENSURE

North Dakota Board of Dietetics Practice - License Number 790
Academy of Nutrition and Dietetics, Commission on Dietetic Registration - Number: 391980

EXPERIENCE

2009- ARS, USDA, Grand Forks Human Nutrition Research Center
Grand Forks, ND
Research Nutritionist

2015- Department of Plant Sciences
North Dakota State University, Fargo, ND
Adjunct Professor

2015- Affiliate Graduate Faculty, North Dakota State University, Fargo, ND

2010 - Neuropsychiatric Research Institute, Fargo, ND
Adjunct Research Scientist

2009- Department of Food Science and Nutrition
University of Minnesota, Minneapolis, MN
2014- Adjunct Professor
2009-2014 Adjunct Associate Professor
2001-2009 Adjunct Assistant Professor

2001- Graduate School, University of Minnesota, Minneapolis, MN
Graduate Faculty in Nutrition

2003- 2009 Department of Medicine, Division of Endocrinology and Diabetes
University of Minnesota, Minneapolis, MN
2009 - 2009 Associate Professor
2003 - 2009 Assistant Professor

2002-2009 Faculty Member, Center for Spirituality and Healing, School of Nursing,
University of Minnesota, Minneapolis, MN

1988-2009 Nutrition Manager and Body Composition Laboratory Director, General Clinical
Research Center, Medical School, University of Minnesota, Minneapolis, MN

1986-1988 Clinical Dietitian, Medicine
Veterans Administration Medical Center, Minneapolis, MN

1983-1986 Senior Dietitian (Clinical Instructor), Dietary Department, The Methodist
Hospital, Texas Medical Center, Houston, TX

1981-1983 Head Dietitian, Adult Medicine, Department of Dietetics, University of Michigan
Hospital, Ann Arbor, MI

1979-1981 Nutrition Specialist, Department of Psychiatry, University of Michigan Hospital,
Ann Arbor, MI

1978-1979 Chief Clinical Dietitian, Saint Mary's Hospital, Milwaukee, WI

1977-1978 Graduate Assistant, Coordinated Undergraduate Program in Dietetics Home
Economics Department, Eastern Michigan University, Ypsilanti, MI

1976-1978 Clinical Dietitian, Department of Dietetics, University of Michigan Hospital,
Ann Arbor, MI

COMMITTEE AND ADMINISTRATIVE SERVICE

University of Minnesota

1988-2009 General Clinical Research Center Scientific Advisory Committee
2001- University of Minnesota, Graduate Nutrition Faculty Committee
2001- Graduate Nutrition Faculty Committee
2001-2009 Obesity Center
2005-2009 Center for Diabetes Research
2005-2009 Deborah E. Powell Center for Women's Health

American Society of Nutrition, Medical Nutrition Council

2015-2017 Executive Committee, Secretary
2013-2015 Executive Committee, Member at Large
2014-2016 Clinical Conference Planning Committee
2014 Nominating Committee
2014 ASN/MNC Experimental Biology Clinical Emerging Leader Award
Competition Judge

- 2014 Clinical Conference Planning Committee (Advances and Controversies in Clinical Nutrition, Dec 2014, National Harbor, MD)
- 2015 ASN/MNC Experimental Biology Clinical Emerging Leader Award Competition Abstract review
- 2015 EMM/RIS-EB Abstract Review: Personalized Nutrition and Prenatal Nutrient Programming in Humans
- 2015 ASN/MNC Experimental Biology Clinical Emerging Leader Award Competition Abstract review
- 2015 Experimental Biology, Mini-symposium Chair: Interventions for the Treatment and Prevention of Nutrition-Related Diseases
- 2015-2016 ASN/Energy and Macronutrient Metabolism – RIS Leadership Committee, Academic-At-Large
- 2016 ASN/MNC Experimental Biology Clinical Emerging Leader Award Competition Judge

Future Research Needs Panel - Sugar and Health; ILSI and Tufts University (2013-2014) **[Invited]**

W. O. Atwater Lecture Rating Committee, USDA Agricultural Research Service and American Society for Nutrition, (2012- 2014) **[Invited]**

Academy of Nutrition and Dietetics

- Weight Management Dietetics Practice Group
 - Research Committee (2011-);
 - Weight Management Fellowship Reviewer (2011, 2012)
 - Continuing Professional Education Committee (2011-)
 - WMDPG Newsletter CPEU Reviewer (2011)
 - Planning Committee for Spotlight Session – FNCE 2012
 - Mentoring Committee (2016-)
- Academy Positions Committee Workgroup
 - Nutritive Sweeteners Position Paper content advisor

The Obesity Society Early-Career Investigator Grant Review Program 2010-2011

American Oil Chemist Society

- AOCS Content Value Center Consultant (2016-)
- Health and Nutrition Section
 - 106th Annual Meeting and Expo, 2015
 - Program Committee
 - Evaluating Lipids in Human Trial, Program Chair
 - 105th Annual Meeting and Expo, 2014
 - Emerging Topics Session Chair: Farmed Fish as a Source of Omega-3
 - Poster Judging
 - 102nd Annual Meeting and Expo Planning Committee, 2011
 - Lipid Oxidation and Quality-Health and Nutrition Program Co-Chair
 - 101st Annual Meeting and Expo, 2010

Program Committee
General Nutrition II Program Chair
Poster Judging Chair
Secretary/Treasurer 2011

Nutrition Evidence Library Abstractor (2008-2009); USDA Center for Nutrition Policy and Promotion; 2010 Dietary Guidelines Advisory Committee

National Association of Research Bionutritionists (1996-2009)
2007-2009 Mentoring Committee
1999-2000 Past President; Nominating Committee Chair
1998-1999 President
1997-1998 President Elect; Program Planning Chair
1996-1998 Educational Committee Chair

Canadian Nutrition Society Annual Conference, Post Conference Workshop; Northern Plains Lipids Symposium: Lipid Nutrition and Metabolism in Human Health, 5/31-6/1, 2015, Winnipeg, Manitoba, Canada; Program Planning Committee

Northern Plains Lipids Symposium: Lipid Nutrition and Metabolism in Human Health, 6/11-12, 2016, University of North Dakota, Grand Forks, ND; Program Planning Committee

COMMUNITY SERVICE

Community Health Improvement/Healthy Choices Greater Grand Forks, Steering Committee Member, Grand Forks, ND 2014-present

Tzedakah Committee Chair – B'nai Israel Synagogue, Grand Forks, ND 2012-present

ALTRU Hospital Institutional Review Board Member, Grand Forks, ND 2010-present

Science Museum of Minnesota – Nutrition Exhibit Consultation 2004

Mt Zion Synagogue Sisterhood Board, St Paul, MN 2000-2005

B'nai Israel Synagogue, Tzedakah Committee Chairperson (2013-2016)

SCIENTIFIC ACTIVITIES

Editor, Academic Press, Elsevier (publication date 7/16) **[Invited]**

Fish and Fish Oil in Health and Disease Prevention

Associate Editor, Lipids (2013-)

Editorial Board, Clinical Nutrition Insight (2009-2013)

Ad Hoc Reviewer – Journals (2003 - present)

Aging Health

American Journal of Clinical Nutrition

British Journal of Nutrition

Diabetologia

DOVE Medical Press
European Journal of Clinical Nutrition
European Journal of Lipid Science and Technology
Experimental Gerontology
Food and Function
Food Science and Nutrition
Future Cardiology
International Achieves of Endocrinology Clinical Research
International Journal of Eating Disorders
International Journal of Obesity
Journal of Agricultural and Food Chemistry
Journal of Laboratory Medicine
Journal of Nutrition
Journal of Nutrition and Health Sciences
Journal of Nutritional Science
Journal of the Academy of Nutrition and Dietetics
Journal of the American College of Nutrition
Lipids
Lipids in Health and Disease
Marine Drugs
Nutrition and Cancer
Nutrition Journal
Nutrition Research
Nutrition Reviews
Nutrié
Nutrients
Obesity
PLOS One
Postgraduate Medicine
Prostaglandins, Leukotrienes & Essential Fatty Acids
Progress in Lipid Research
Public Health Nutrition
Sultan Qaboos University Medical Journal

Ad Hoc Reviewer – Books

CRC Press, Boca Raton, FL (2009)
Health Sciences Books, John Wiley & Sons, Oxford, UK (2013)

Ad Hoc Reviewer - Grants

Diabetes UK (2007)

USDA Agricultural Station Project, University Of Minnesota (2008)

University Grants Committee, Hong Kong Special Administrative Region (2009)

Minnesota Futures Grant Program, University of Minnesota (2009, 2010, 2011)

Canada Foundation for Innovation, Leaders Opportunity Fund (2010)

University of Missouri Research Board (2011)

University of North Dakota, College of Nursing, NIH Pre-doc Proposal Reviewer (2011)

Academy of Nutrition and Dietetics - Weight Management Practice Group Fellowship Awards (2011, 2012)

University of Wyoming, Agricultural Experimental Station, Competitive Grants Program (2013)

University of Guelph and the Ontario Ministry of Agriculture, Food and Rural Affairs (2013)

United States Army Research Institute of Environmental Medicine (2013)

Biotechnology and Biological Sciences Research Council, United Kingdom (2014)

Czech Health Research Council –Ministry of Health, Czech Republic (2015)
Natural Sciences and Engineering Research Council of Canada (2015)

Ohio State University, Ohio Agricultural Research and Development Center (OARDC), SEEDS: OARDC Research Enhancement Competitive Grants Program. (2016, 2017)

National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce, 2016 Saltonstall-Kennedy Competitive Research Program (2016)

Wellcome Trust/Biomedical Research Fellowship Programme for India (2016)

Ad Hoc Reviewer – Tenure and Promotion
University of Jordan, Amman, Jordan (2016)

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Society for Nutrition (ASN)

ASN Medical Nutrition Council

ASN Energy and Macronutrient Metabolism Research Interest Section

ASN Obesity Research Interest Section

Academy of Nutrition and Dietetics (AND)

AND Weight Management Dietetics Practice Group

Research Committee Member (2012-present)

North Dakota Academy of Nutrition and Dietetics

Greater Grand Forks Dietetic Association

American Oil Chemists' Society (AOCS)
AOCS Human Nutrition Division
The Obesity Society

HONORS AND AWARDS

2015 USDA, ARS Post-doctoral Research Award (to fund a 2-year post-doc to work in my research program)
2014 Excellence in Weight Management Outcomes Research Award, Weight Management Dietetics Practice Group, Academy of Nutrition and Dietetics
2013 Fellow, Academy of Nutrition and Dietetics
2011 David Kritchevsky Graduate Student Award, Nutrition Research – awarded to Steven McColley, MS, my mentee (University of Minnesota)
2011 ARS, USDA, OSQR Peer Review - “No Revision” Award
2010 Fellow, The Obesity Society
2009 Excellence in Oncology Nutrition Research, Oncology Nutrition Dietetics Practice Group, American Dietetic Association
2007 International Travel Grant, University of Minnesota, International Programs
2004 International Travel Grant, University of Minnesota, International Programs
1996 Gamma Sigma Delta - The Honor Society of Agriculture
1994 ADA: Kraft General Foods Fellowship (\$10,000)
1991 Outstanding Service Award, Clinical Research Division, Department of Medicine, University of Minnesota, Minneapolis, MN

GRANT SUPPORT

Egg Nutrition Center (2015-2017) \$190,080
Whole Egg Intake and the Mediterranean Diet
Role: **Principal Investigator**

ARS-USDA 5450-51000-048-00D (2015-2017) \$250,000
Acute and Chronic Effects of Fat on Satiety and Energy Needs
Role: **Principal Investigator**

ARS-USDA 5450-51000-048-00D (2014-2019)
Acute and Chronic Effects of Fat on Satiety and Energy Needs
Role: **Lead Scientist**

North Dakota Specialty Crops Block Grant (2014-2015) \$35,654;
Discovery of Specific Starch Properties of NDSU Potato Germplasm;
PI: Asunta Thompson, PhD; Role: Co-Investigator

USDA, NIFA 2014-67017-21758 (2014-2019) \$498,052;
Disease Risk Reduction and n3-Rich Rainbow Trout;
PI: Matthew Picklo, PhD; Role: Co-Investigator

NIH, NIMH, T32 (2013-2018)
Postdoctoral Training Grant in Eating Disorders Research
Neuropsychiatric Research Institute, Fargo, ND
PI: James Mitchell, MD; Role: Consultant

ARS-USDA 5450-51-000-048-00D
Cardiovascular Responses to Exercise in Metabolic Syndrome;
PI: Matthew Picklo, PhD; Role: Co-Investigator

North Dakota Specialty Crops Block Grant (2012-2013) \$27,000
Discovery of Specific Starch Properties of NDSU Potato Germplasm for Nutritional and
Industrial Applications
PI: Asunta Thompson, PhD; Role: Co-Investigator

United States Potato Board (2011-2015) \$100,000
Lifestyle Modification and Potato Consumption
Role: **Principal Investigator**

Dyson Foundation (2011-2015) \$78,278
Bioavailability Study of Fish Oils: Emulsified vs. Capsular Triglyceride
Role: **Principal Investigator**

ARS-USDA 5450-51000-049-00D (2011-2014) \$200,000
Dietary Guidelines Adherence and Healthy Body Weight: Biologic Assessment of Satiety
Role: **Principal Investigator**

National Honey Board (2011-2014) \$69,000
Glycemic Effect of Honey
Role: **Principal Investigator**

NIH 1R01DA027232-01 (2010-2016) \$2,266,000
Stress, Appetite, and Smoking Relapse;
PI: Mustafa Al'Absi, PhD; Role: Consultant

University of North Dakota (2010-2012)
Downregulation of Inflammatory markers by Trans-Resveratrol: A Pilot Study
PI: Edward Sauter, MD; Role: Co- Investigator

ARS-USDA 5450-51000-049-00D (2010-2011) \$30,000
Healthy Creations: Community Based Lifestyle Intervention Validation
Role: **Principal Investigator**

ARS-USDA 5450-51000-010-00D (2010-2011) \$41,000
Effect of High Omega-3 Fish intake on Lipid Peroxidation
Role: **Principal Investigator**

Designer Whey, Carlsbad, CA (2009-2009) \$10,000
Effects of Whey Protein on Weight Loss in Midlife Adults
Role: **Principal Investigator**

Minnesota Obesity Center (NIH 5U54CA116849) (2008-2009)
Weight Loss and Biological Parameters in Breast Cancer Survivors;
PI: Mindy Kurzer, PhD; Role: Co-Investigator

NIH-NIA 1R21-AG029582-01A1 (2007-2009)
Human Brain Antioxidant Level Measured In-Vivo as a Function of Age/ Diet;
PI: Melissa Terpstra, PhD; Role: Co-Investigator

NIH-NCI U54 CA116849-01(2007-2008)
Metabolic and Behavioral Effects of Breakfast in a Bi-Ethnic Sample of Children;
PI: Mark Pereira, PhD; Role: Co-Investigator

Minnesota Obesity Center (2006-2007)
Metabolic and Behavioral Effect of Breakfast Frequency;
PI: Maureen Timlin, PhD; Role: Co-Investigator

University of Minnesota (2005-2009)
Empirical Validation of Dietary Restraint
PI: Scott Crow, MD; Role: Co-Investigator

USDA /CSREES (2005-2008)
USDA National Needs Graduate Fellowship Grant Program
PI: Marla Reicks, PhD; Role: Co-Investigator

The American Diabetes Association (2005-2008)
Abdominal Obesity and Risk Factors for the Metabolic Syndrome among Mexican American and
Non-Hispanic White Women;
PI: Lyn Steffen, PhD; Role: Co-Investigator

Nutritional Resource Foundation, Inc. (2005-2006)
Effects of Fast Food on Body Weight and Health Status;
PI: Mark Pereira, PhD; Role: Co-Investigator

Dyson Foundation (2005-2007) \$38,828
Bioavailability Study of Fish Oils
Role: **Principal Investigator**

DOD- CDMRP 81XWH-06-1-0778 (2005) \$200,000
Dietary Fat, Eicosanoids, and Breast Cancer Risk (Pre-doctoral Fellowship)
PI: Lindsay R. Orr; Role: Co-Investigator;

DOD-CDMRP BC030802 (2004-2009) \$414,624
Dietary Fat, Eicosanoids, and Breast Cancer Risk
Role: **Principal Investigator**

NIH-NCRR M01RR00400 (2004-2009)
General Clinical Research Center,
PI: Charles Muldow, MD; Role: Co-Investigator

University of Minnesota (2004-2009) Nonsponsored
The Cost of Bulimia Nervosa;
PI: Scott Crow, MD; Role: Co-Investigator

Acatris, Inc., Minneapolis, MN (2004-2005)
Pilot Study to Explore the Effect of an Isolated Fiber from Fenugreek on Satiety, Glucose and
Insulin Response in Obese Individuals;
PI: Joanne Slavin, PhD; Role: Co-Investigator

U-MN Graduate School Faculty Grant-in-Aid (2004-2007) \$23,331
Omega-3 Fatty Acids: Anti-inflammatory Properties and Influence on C-Reactive Protein
Role: **Principal Investigator**

Knoll Pharmaceutical and SlimFast Foods (2000-2003)
Combination Weight Loss Therapy for Type 2 Diabetes Mellitus
PI: John Bantle, MD; Role: Co-Investigator

Medical Foods, Inc., Westborough, MA (2000-2002) \$38,868
Fatty Acids in Plasma Lipids after Omega-3 Enriched Lipid Supplementation
Role: **Principal Investigator**

NIH-NCRR M01RR00400 (1999-2004)
General Clinical Research Center;
PI: Charles Muldow, MD; Role: Co-Investigator

NIH/NIDDK IU01-DK 57182-01 (1999-2009)
Study of Health Outcomes of Weight Loss (LookAHEAD);
PI: Robert Jeffery, PhD; Role: Co-Investigator

Allen Foundation, Midland, MI (1999-2003) \$22,550
Effects of Varied Nutrient Substrate on Weight Loss and Satiety
Role: **Principal Investigator**

American Diabetes Association (1997-1998)
Pharmacologic Induction of Weight Loss to Treat Type 2 Diabetes;
PI: John Bantle, MD; Role: Co-Investigator

American Dietetic Association (1994-1996) \$10,000
Metabolic End Products of Linoleic Acid: Response to Variation in Intake of Total Dietary Fat
Role: **Principal Investigator**

The International Fructose Association (1987-1991)
Metabolic Effects of Chronic Dietary Fructose and Sucrose Consumption;
PI: John Bantle, MD; Role: Co-Investigator

TEACHING AND MENTORING ACTIVITIES

Students: Grand Forks Human Nutrition Research Center

Current

Laura Heflin-Morgan, PhD, Post-Doctoral Fellow, GFHNRC, 8-2016-8/2018

Completed

Lacey Holzer, McNair Scholar Program, University of Wisconsin, Stout, WI; 6/2011-8/2011

Ghanya Al-Naqeb, PhD, Assistant Professor, University of Sana'a, Yemen; Fullbright Scholar; co-mentor; January 2014-September 2014.

Graduate Students: North Dakota State University, Fargo, ND

Current – Committee Member

Completed:

Leah Krabbenhoft, MS student, Plant Sciences, 2016; *Identification of Specific Starch Properties of NDSU Potato Germplasm for Nutritional and Industrial Utilization*

Graduate Students: University of North Dakota, Grand Forks, ND

Current – Committee Member

none

Completed Students

Amanda McMahon

Medical Student, Research Experience for Medical Students (REMS)
6/2013-8/2013

Jorid Oiestad

MS, Kinesiology, 2014; *Effect of a Nutrition Program On Eating Habits in Female Collegiate Athletes*

Graduate Students: University of Minnesota, Minneapolis, MN

Current Students - Advisees

Ambria Pfarr, MS, RDN

PhD, Nutrition
9/2016-

Katrine Flaskerud

MS, Nutrition

Effects of Cooking Technique on Fatty Acid Content of Farmed Rainbow Trout (Oncorhynchus mykiss)

9/2014 -

Completed – Advisees

Rasa Michniovate Troup, RD

MS, Nutrition, 2004; *Effects of Black Tea Intake on Blood Cholesterol Concentrations in Individuals with Mild Hypercholesterolemia*

Sugianawaty Mulia, MD

MS, Nutrition, 2007; *Influence of Calcium and Vitamin D on Bone Mineralization after Liver Transplantation*

Steve McColley

MS, Nutrition, 2007; *Triglyceride-Rich Lipoproteins in Response to Diets of Varying Fat and Fatty Acids*

Nana Matsumoto, RD

MS, Nutrition, 2009; *Effect of Omega-3 Fatty Acid Supplementation on Early Cardiovascular Disease Risk Factors*

Darcy Dickson Stagmann, RD

MS, Nutrition, 2010; *Glycemic Load: Influence on Blood Glucose and Insulin over Three One-Week Diet Periods*

Lindsay Orr Young

PhD, Human Nutrition, 2010; *Effects of Dietary Fat and Omega-3 Fatty Acids on Eicosanoids, Endogenous Sex Hormones and the Insulin-Like Growth Factor Pathway*

Noel D Aldridge

PhD, Human Nutrition, 2013; *Dietary Protein and Weight in Midlife Adults*

Alisa Prochaska,

MS Nutrition, 2014; *Glycemic Effects of Nutritive Sweeteners*

Completed – Committee Member

Carolyn Torkelson, MD

MS, Clinical Research, 2004; *Effects of a Low Glycemic Index Diet on Weight Loss*

Jing Cao

MS, Laboratory Medicine, 2006; *Beneficial Effects of Omega-3 Fatty Acids on Cardiovascular Disease Risk*

Suganya Azhagarasan

MS in Nutrition, 2006; *Reported Baseline Dietary Vitamin D Intake Predicts Weight Loss*

Akira Fujiyoshi, MD

MPH, Epidemiology, 2007; *Fast Food Habits and 3 Year Changes In Bone Mineral Density among Young Adults: The CARDIA Study*

Jocelyn Mathern, RD

MS, Nutrition, 2008; *Effect of an Isolated Fiber from Fenugreek on Satiety, Glucose and Insulin Response in Obese Individuals*

Houa Vue, RD

PhD, Human Nutrition, 2008; *Attitudes and Needs Regarding Eating Occasions and BMI among Midlife Women*

Michelle Vanselow

MPH, Public Health Nutrition, 2008; *Adolescent Beverage Habits and Weight Gain in Project EAT*

Hyejung Cho

PhD, Human Nutrition, 2008; *Effects of Conjugated Linoleic Acid on 15-Lipoxygenase-1 In Vitro and In Vivo*

Sarah Rydeen

MS, Human Nutrition, 2009; *Nutrient Intake among Women with Binge Eating Disorder*

Other Completed Students

Hannah Olson, Medical Student, University of Minnesota, ASN Summer Intern 2004

Rachel Wetzsteon, PhD Candidate, University of Minnesota, Kinesiology, MNCAM Summer Intern, 2004

Michael Croy, PhD Student, University of Minnesota, Nutrition, MNCAM Summer Intern 2004

Peter Bagenstos, Medical Student, Morehouse University, ASN Summer Intern 2005

Lin Lin, Medical Student, University of Minnesota, MNCAM Summer Intern 2005

Lindsay Orr, PhD Candidate, University of Minnesota, Nutrition, MNCAM Summer Intern 2005

Elizabeth Hoel, Undergraduate Research Project, University of Minnesota, Summer 2007

Lance Stueven, MS Candidate, University of Minnesota, Independent Study – NUTR 8695, Summer 2007

Sonali Rajan Meyer, University of Minnesota, Medical Student Research Rotation, Summer 2008

Pierre Tawfik, Undergraduate, University of Minnesota, AHS 2300: Orientation to Clinical Research rotation Fall 2008 and Undergraduate Research Project, Fall 2008 and Spring 2009

LECTURES – LOCAL, UNIVERSITY

University of Minnesota, Food Science and Nutrition Seminar, 2/ 2003; *Do Reduced Dietary Glycemic Index and Glycemic Load Improve Weight Loss?*

University of Minnesota, FScN 5623 Regulation of Energy Balance, 2/24/2003
Body Composition and Energy Needs Assessment

University of Minnesota, Diabetes Seminar; Division of Endocrinology and Diabetes, 5/12/2003;
2003 Dietary Guidelines

University of Minnesota, Elder Learning Program, Center for Spirituality and Healing, 1/12/2004; *Optimal Diet and Disease Prevention*

University of Minnesota, PubH 6390 Obesity & Eating Disorders: Etiology and Epidemiology, 1/27/2004; *Clinical Assessment of Energy Needs*

University of Minnesota, FScN 4613 Experimental Nutrition, 2/20 & 23/2004; *Body Composition and Energy Needs Assessment*

University of Minnesota, Diabetes Seminar; Endocrinology and Diabetes, 3/9/2004; *Do Reduced Dietary Glycemic Index and Glycemic Load Improve Weight Loss?*

University of Minnesota, Minnesota Consortium for Complementary and Alternative Medicine (CAM) Clinical Research Training Program; Hennepin County Medical Center, 7/12/2004; *Dietary Fat and Breast Cancer Risk Reduction*

University of Minnesota PubH 6905 Human Nutrition and Health, 10/15/2004; 10/13/2006
Overweight and Obesity

University of Minnesota, Elder Learning Program, Center for Spirituality and Healing, 1/20/2005; *Optimal Diet and Disease Prevention*

University of Minnesota, FScN 4613 Experimental Nutrition, 2/16 & 18/ 2005; 2/15 & 17/2006; *Body Composition and Energy Needs Assessment*

University of Minnesota, Endocrinology Citywide Conference, 4/7/2005; *Omega 3 Fatty Acids and Early CVD Risk Reduction*

Minnesota Consortium for Complementary and Alternative Medicine (CAM) Clinical Research Training Program; Hennepin County Medical Center, 8/3/2005
Dietary Fat and Breast Cancer Risk Reduction

American Association of University Women Meeting; St Paul, MN, 1/24/2006
Dietary Fat and Breast Cancer Risk Reduction

University of Minnesota, Nutr 8620 Advances in Nutrition, 4/25 & 5/22/2006
Omega 3 Fatty Acids

University of Minnesota, Endocrinology Citywide Conference, 2/8/2007; *Dietary Fat and Breast Cancer Risk Reduction*

Minnesota Dietetic Association Annual Meeting, 7/20/2007; *Do Reduced Dietary Glycemic Index and Glycemic Load Improve Weight Loss?*

University of Minnesota, College of Continuing Education, Curiosity Camp, 8/13/2007
Mindfulness and Food; Our Bodies, Our Health

University of Minnesota, Nutr 8620 Advances in Nutrition, 10/2, 9, & 16/2007; *Omega 3 Fatty Acids and Disease Management*

University of Minnesota, Medicine Research Conference 11/12/2007; *Dietary Fat and Breast Cancer Risk Reduction*

American Association of University Women; St Paul, MN, Apr 26, 2008; *Optimal Nutrition*

University of Minnesota, Healthy Fridays - Office of Clinical Research 5/6/2008
Optimal Nutrition

University of Minnesota, U Discovers Translational Health, Minnesota Medical Foundation, 5/13/2008; *Translating Research in Obesity and Diabetes*

Diabetes Topic Forum, University of Minnesota Physicians, 8/14/2008; *Optimal Nutrition*

University of Minnesota, Endocrinology Citywide Conference, 2/12/2009; *Dietary Fat, Omega 3 Fatty Acids and Breast Cancer Risk*

University of North, Dakota, Dietetics 101, 2/22/2010; *Research Dietetics Panel*

Grand Forks Human Nutrition Research Center, Feb 11, 2010; *Mindful Eating; 5/25/2010; Superfoods*

ALTRU Health System, Medical Grand Rounds, Grand Forks, ND. 9/19/2012. *Omega 3 Fatty Acids: Metabolism and Function [Invited]*

University of Minnesota, Nutr 8620 Advances in Nutrition, Oct 2, 9, & 16/2012; *Dietary Fat, Fatty Acids and Cardiovascular Disease*

North Dakota State University, CFS 796 Food Systems: Linking Agriculture to Human Health; 11/26/13; *Designing Nutrition Research Studies of Agricultural Products [Invited]*
University of North Dakota, PPT505 Methods in Pharmacology and Physiology; 3/24/15; *Methods in Clinical Research [Invited]*

LECTURES – NATIONAL, INTERNATIONAL

American Society for Clinical Nutrition Annual Meeting, Montreal, Canada, 7/24/1997. *Effect of High versus Low Fat Feeding on the Fatty Acid Composition of Serum Lipids*
American Dietetic Association Annual Meeting, Philadelphia, PA 10/22/2002. *Bone Mineral Density of Individuals with DM2 after Combination Weight loss Therapy using Appetite Suppression and Meal Replacements*
Young Onset Parkinson's Association and the American Parkinson's Disease Association, Minneapolis, MN, 6/30/2004. *Optimal Nutrition for Parkinson's Patients [Invited]*
Managing Sweetness, Oldways Preservation Trust, Mexico City, Mexico, 10/21/2005. *Sweetness and Diabetes [Invited]*
Oldways Preservation Trust and the American Academy of CME, Inc., San Diego, CA, 6/11/2005. *Diabetes and Sweetness [Invited]*
NIH/General Clinical Research Centers Annual Meeting, Wash., DC, 3/30/2007, *Study Design and Statistics in Nutrition Research [Invited]*
American Diabetes Association's 67th Scientific Session; Chicago, IL, 6/22/2007. *Controversies in Using the Glycemic Index [Invited]*
Department of Defense Breast Cancer Research Program, Era of Hope Meeting, Baltimore, MD, 6/26/ 2008. *Breast Cancer Risk Reduction: Effect of Dietary Fat and Fatty Acids on Plasma Estrogen and Testosterone Indices in Postmenopausal Women*
Functionality of Canola and Flax Course, Northern Crops Institute, North Dakota State University, Fargo, ND, 4/29/ 2010. *Nutritional Aspects of Canola and Flaxseed [Invited]*
American Oil Chemist's Society, 101st Annual Meeting and Exposition, Phoenix, AZ, 5/17/2010. *Effects of n3 Intake on Plasma Phospholipid Fatty Acids and Sex Hormone Profiles in Postmenopausal Women: Potential for Breast Cancer Risk Reduction [Invited]*
2nd Annual Bismarck-Mandan Healthy Weight Summit, Mandan, ND, 6/10/2010. *Obesity Prevention – National Research & Initiatives [Invited]*
University of Nebraska Medical Center, Clinical and Translational Science Lecture, Omaha, NE, 8/9/2010. *Translational Nutrition Research: The Grand Forks Human Nutrition Research Center [Invited]*
Exploring Whole Wheat Foods, Northern Crops Institute, North Dakota State University, Fargo, ND, 8/12/2010. *Introduction to Whole Grains: Whole Wheat and Health [Invited]*
University of Maine, Department of Food Science and Human Nutrition, Orono, ME, 10/6/2010. *Omega 3 Fatty Acids: Metabolism and Function. [Invited]*
Neuropsychiatric Research Institute, Fargo, ND, 10/19/2010. *Clinical Assessment of Satiety [Invited]*
University of Minnesota Duluth, Medical School, Duluth, MN, 10/22/2010, *Clinical Assessment of Satiety [Invited]*
North Dakota Dietetic Association Annual Meeting, Grand Forks, ND. 4/21/2011; *Omega 3 Fatty Acids: Metabolism and Function [Invited]*
Experimental Biology, 2011, Washington, DC. 4/12/11; *A low fat diet enhances polyunsaturated fatty acid desaturation and elongation independent of n3 enrichment.*

American Oil Chemist's Society Annual Meeting, 2012, Long Beach, CA. 5/1/12; *Enhanced absorption of n-3 fatty acids from emulsified compared with encapsulated fish oil [Invited]*

4th Annual Functional Foods and Natural Health Products Graduate Research Symposium, Winnipeg, MB, Canada. 3/21/2013; *Satiety and Weight Management [Invited]*

4th Annual Functional Foods and Natural Health Products Graduate Research Symposium, Winnipeg, MB, Canada. 3/22/2013; *Keynote Address: Omega 3 Fatty Acids: Bioavailability of Fish Oils [Invited]*

Southeast Missouri State University, 5/23/2013; FN 340 Seminar in Professional Dietetics, *Professional Career Options for Registered Dietitians – Clinical Research.*

North Dakota State University, CFS 796 Food Systems: Linking Agriculture to Human health, 11/26/13; *Designing Nutrition Research of Agricultural Products [Invited]*

Academy of Nutrition and Dietetics, Weight Management Dietetics Practice Group, Annual Meeting 3/23/14; *Calories: What's the Right Mix for Weight Management? [Invited]*

Academy of Nutrition and Dietetics, Weight Management Dietetics Practice Group, Annual Meeting 3/23/14; *Calories: Food and Food Components Hypothesized to Aid in Weight Loss [Invited]*

Southeast Missouri State University, 4/23/2014; FN 340 Seminar in Professional Dietetics, *Professional Career Options for Registered Dietitians – Clinical Research.*

Experimental Biology, 2014, San Diego, CA. 4/26/14; *Development of a standard methodology for assessing the satiating effect of foods.*

American Oil Chemist's Society (AOCS) 105th Annual Meeting and Expo, San Antonio, TX; 5/5/2014; Emerging Topics Symposium: *Farmed Fish as an Omega-3 Source.* Program Organizer and Chair. **[Invited]**

University of Manitoba and Université Laval, Food Advancement through Science and Training (NSERC-CREATE), Graduate Webinar: *Designing Clinical Research Studies of Agricultural Products*, 11/12/14. **[Invited]**

American Oil Chemist's Society (AOCS) 106th Annual Meeting and Expo, Orlando, FL; 5/5/2015; *Total dietary fat and n-3 fatty acid intake modify plasma phospholipid fatty acid desaturase activity indices and urinary prostaglandin E.*

Canadian Nutrition Society Annual Conference, Post Conference Workshop: Northern Plains Lipids Symposium: Lipid Nutrition and Metabolism in Human Health, Winnipeg, MB; *Processes involved in setting the US Dietary Guidelines for Lipids*, 5/31/15

American Oil Chemist's Society (AOCS) 107th Annual Meeting and Expo, Salt Lake City, UT; 5/3/2016; *Farmed Atlantic salmon (Salmo salar) influences lipoprotein concentration and particle size in healthy men and women.*

Institute of Food Technology, Annual Meeting + Food Exposition, Carbohydrate Division Symposium: Are We Doing Enough about Obesity? An Interactive Discussion on Evidence-based Weight Management Strategies: *Role of Carbohydrates in Weight Management*; Chicago, IL; July 16-19, 2016 **[Invited]**

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