

# CURRICULUM VITAE

## Susan Raatz, PhD, MPH, RD

### CONTACT INFORMATION

**Office:** USDA, ARS  
Grand Forks Human Nutrition Research Center  
2420 2nd Avenue North  
Grand Forks, ND 58203-9034

**Phone:** 701-795-8294

**Fax:** 701-795-8240

**Email:** [susan.raatz@ars.usda.gov](mailto:susan.raatz@ars.usda.gov)

**Web:** <http://www.ars.usda.gov/pandp/people/people.htm?personid=44863>  
<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 (2011-2017)
  - Weight Management Fellowship Reviewer (2011, 2012)
  - Continuing Professional Education Committee (2011-2014)
  - 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 (2016-2017)

#### The Obesity Society

Early-Career Investigator Grant Review Program 2010-2011

Diversity Committee Member (2017)

#### American Oil Chemist Society

- AOCS Content Value Center Consultant (2016- )
- Health and Nutrition Section
  - 106<sup>th</sup> Annual Meeting and Expo, 2015
    - Program Committee
    - Evaluating Lipids in Human Trial, Program Chair
  - 105<sup>th</sup> 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 2012-2016

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 Chair (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  
Nutri    
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 American Dietetic Association: 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)  
Food Factors to Prevent Obesity and Related Disease  
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 Michniolate 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*

**Hyejund 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 67<sup>th</sup> 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, 101<sup>st</sup> 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]*

2<sup>nd</sup> 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]*

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

4<sup>th</sup> 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) 105<sup>th</sup> 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]

## BIBLIOGRAPHY

### *Peer-Reviewed Publications*

1. **Raatz, S**, Jolowsky CM. Multivitamin/mineral formulary development. *Journal of the American Dietetic Association* 1987;87(6):777. PMID: 3584760
2. Salahudeen AK, Hostetter TH, **Raatz SK**, Rosenberg ME. Effect of dietary protein on renal function, the renin-angiotensin system, and nutritional status in patients with chronic renal transplant rejection. *Kidney International* 1992;41:183. PMID: 1593854
3. Garg A, Bantle JP, Henry RR, Coulston AM, Griver KA, **Raatz S**, Brinkley L, Chen Y-Di, Grundy SM, Huet BA, Reaven GM. Effects of varying carbohydrate content of diet in patients with non-insulin-dependent diabetes mellitus. *Journal of the American Medical Association* 1994;271(18):1421. PMID: 7848401
4. Milla C, Doherty L, **Raatz S**, Schwartzberg SJ, Regelman W, Moran A. The glycemic response to varying carbohydrate:fat ratios of dietary supplements in cystic fibrosis is dependent on the carbohydrate content of the formula. *Journal of Parenteral and Enteral Nutrition* 1996;20:182-6. PMID: 8776690
5. Redmon B, **Raatz S**, Bantle J. Valvular heart disease associated with fenfluramine-phentermine. *New England Journal of Medicine*. 1997;337:1773-4. PMID: 9411249
6. Crow S, Meller W, Praus B, **Raatz S**, Mitchell J. Failure of clonidine to stimulate feeding in healthy humans. *Pharm, Biochem & Behavior* 1998;61(3):317-321. PMID: 9768566



7. Redmon BJ, **Raatz SK**, Kwong C, Swanson J, Thomas W, Bantle, JP. Pharmacologic induction of weight loss to treat Type 2 diabetes mellitus. *Diabetes Care* 1999;22(6):896-903. PMID: 10372238
8. Rothman RB, Redmon JB, **Raatz SK**, Kwong CA, Swanson JE, Bantle JB. Chronic treatment with phentermine combined with fenfluramine lowers plasma serotonin. *American Journal of Cardiology* 2000;85(7):913. PMID: 10758942
9. Bantle JP, **Raatz S**, Thomas W, Georgopoulos A. Effect of dietary fructose on serum lipids in healthy subjects. *American Journal of Clinical Nutrition* 2000;72:1128-1134. PMID: 11063439
10. **Raatz SK**, Bibus D, Thomas W, Kris Etherton P. Total fat intake modifies plasma fatty acid composition. *Journal of Nutrition* 2001;131:231-234. PMID: 11160538
11. Pereira MA, Jacobs DR, Pins JJ, **Raatz SK**, Gross M, Slavin J, Seaquist ER. The effect of whole grains on body weight and insulin sensitivity in overweight adults: A controlled feeding study. *American Journal of Clinical Nutrition* 2002;75:848-855. PMID: 11976158
12. Redmon JB, **Raatz SK**, Reck KP, Swanson JE, Kwong CA, Fan Q, Thomas W, Bantle JB. One Year Outcome of a Combination of Weight Loss Therapies for Subjects with Type 2 Diabetes Mellitus: A Randomized Trial. *Diabetes Care* 2003;26(9):2505-2511. PMID: 12941710
13. Steinberger J, Jacobs DR, **Raatz S**, Moran A, Hong C-P, Sinaiko AR. Comparison of body fatness measurements by dual energy X-ray absorptiometry and their relation to cardiovascular risk factors in adolescents. *International Journal of Obesity* 2005;29:1346-1352. PMID: 16044176
14. Redmon JB, **Raatz SK**, Reck KP, Swanson JE, Kwong CA, Hong J, Thomas W, Bantle JB. Two Year Outcome of a Combination of Weight Loss Therapies for Subjects with Type 2 Diabetes Mellitus. *Diabetes Care* 2005;28(6):1311-1315. PMID: 15920044
15. **Raatz SK**, Torkelson CJ, Redmon JB, Reck KP, Kwong CA, Swanson JE, Liu C, Thomas W, Bantle JP. Reduced glycemic index and glycemic load diets do not increase the effects of energy restrictions on weight loss and insulin sensitivity in obese men and women. *Journal of Nutrition*: 2005;135:2387-2391. PMID: 16177201
16. Shah M, Adams-Huet B, Bantle JP, Henry RR, Griver KA, **Raatz SK**, Brinkley LJ, Reaven GM, Garg A. Effect of a high-carbohydrate versus a high-*cis*-monounsaturated fat diet on blood pressure in patients with type 2 diabetes. *Diabetes Care* 2005;28:2607-2612. PMID: 16249527
17. Petryk A, Bergemann TL, Polga KM, Ulrich KJ, **Raatz SK**, Brown DM, Robison LL, Baker S. Prospective study of changes in bone mineral density and turnover in children after hematopoietic cell transplantation. *Journal of Clinical Endocrinology & Metabolism* 2006;91:899-905. PMID: 16352681
18. Kahn K, **Raatz S**, Sharp HL. Bone mineral density in liver transplanted adults with childhood liver disease. *Transplantation Proceedings*. 2006;38:1453-1455. PMID: 16797330
19. Shamliyan TA, Jacobs DR, **Raatz SK**, Nordstrom DL, Keenan JM. Are your patients with risk of CVD getting the viscous soluble fiber they need? *The Journal of Family Practice* 2006;55(8):761. PMID: 16948958
20. Kahn KM, Mulia S, Kaul R, **Raatz S**. Effect of nutrition and body composition on body density after liver transplantation. *Transplantation Proceedings* 2007;39:3292-3294. PMID: 18089374

21. Raymond NC, Bartholome LT, Lee SS, Peterson RE, **Raatz SK**. A comparison of energy intake and food selection during laboratory binge eating episodes in obese women with and without a binge eating disorder diagnosis. *International Journal of Eating Disorders*: 2007;40(1):67-71. PMID: 17080451
22. **Raatz SK**, Wimmer JK, Kwong CA, Sibley S. Intensive diet instruction by registered dietitians improves weight loss success. *Journal of the American Dietetic Association*, 2008;108:110-113. PMID: 18155995
23. Crow SJ, Frisch MJ, Peterson CB, Croll J, **Raatz SK**, Nyman JA. Monetary costs associated with bulimia. *Int J Eat Disord*. 2009;42(1):81-3. PMID: 18704919
24. **Raatz SK**, Redmon JB, Wimmergren N, Donadio JV, Bibus DM. Enhanced absorption of omega-3 fatty acids after emulsified compared with encapsulated fish oil. *Journal of the American Dietetic Association*, 2009;109:1076-1081. PMID:19465191
25. Mathern JR, **Raatz SK**, Thomas W, Slavin JL. Effect of fenugreek fiber on satiety, blood glucose and insulin response and energy intake in obese subjects. *Phytotherapy Research* 2009;23:1543-1548. PMID: 19353539
26. Vanselow MS, Periera MA, Neumark-Sztainer D, **Raatz SK**. Adolescent beverage habits and changes in weigh over time: Findings from Project EAT. *American Journal of Clinical Nutrition* 2009;90(6):1489. PMID: 19864412
27. Pereira MA, Erickson E, McKee P, Schrankler K, **Raatz SK**, Lytle LA, Pellegrini AD. Breakfast frequency and quality may affect glycemia and appetite in adults and children. *Journal of Nutrition* 2011;141:163S-168S. PMID: 21123469
28. Terpstra M, Torkelson C, Emir U, Hodges JS, **Raatz S**. Noninvasive quantification of human brain antioxidant concentrations after intravenous bolus of vitamin C. *NMR in Biomedicine*: 2011;24:521-528. PMID: 21117261
29. Emir U, **Raatz S**, McPherson S, Hodges JA, Torkelson C, Tawfik P, White T, Terpstra M. Noninvasive quantitation of ascorbate and glutathione concentrations in the elderly human brain. *NMR in Biomedicine*: 2011;24:888-894. PMID 21226058
30. Aldrich ND, Reicks MM, Sibley SD, Redmon JB, Thomas W, **Raatz SK**. Varying protein source and quantity does not significantly improve weight loss, fat loss, or satiety in reduced energy diets among midlife adults. *Nutrition Research*, 2011;31:104-112. PMID: 21419314
31. Young LR, Kurzer MS, Thomas W, Redmon JB, **Raatz SK**. The effect of dietary fat and omega-3 fatty acid intake on urinary eicosanoids and sex hormone levels in postmenopausal women: A randomized controlled feeding trial. *Nutrition and Cancer*, 2011;63:930-939. PMID: 21745038
32. McColley SP, Georgopoulos A, Young LR, Kurzer MS, Redmon JB, **Raatz SK**. A high fat diet and the threonine-encoding allele polymorphism of fatty-acid binding protein 2 reduce plasma triglyceride-rich lipoproteins. *Nutrition Research* 2011; 31:503-8. PMID: 21840466
33. **Raatz SK**, Golovko MY, Brose SA, Rosenberger TA, Burr GS, Wolters WR, Picklo MJ. Baking reduces prostaglandin, resolvin, and hydroxy-fatty acid content of farm-raised Atlantic salmon (*Salmo salar*). *Journal of Agricultural Food Chemistry*, 2011;59:11278-11286. PMID:21919483
34. **Raatz SK**, Young LR, Picklo MJ, Sauter ER, Qin W, Kurzer MS. Total dietary fat and fatty acid content modify plasma phospholipid fatty acids, desaturase activity indices, and urinary prostaglandin E. *Nutrition Research* 2012;1:1-7. PMID: 22260857

35. Raymond NC, Peterson RE, Bartholome L, **Raatz SK**, Jensen MD, Levine JA. Comparisons of energy intake and energy expenditure in obese women with and without binge eating disorder. *Obesity* 2012;20:765-772. PMID: 22016098
36. Mount D, Davis C, Kennedy B, **Raatz S**, Dotson G, Gary T, Thomas S, Johnson K, Espeland M. Look Ahead Trial African American Recruitment. *Clinical Trials* 2012;9:80-89. PMID: 22064686
37. Bartholome LT, Peterson RE, **Raatz SK**, Raymond NC. A comparison of the accuracy of self-reported intake vs. measured intake of a laboratory overeating episode in obese women with and without binge eating disorder. *European Journal of Nutrition* 2012;20:765-772. PMID: 22302613
38. **Raatz SK**, Rosenberger TA, Johnson LK, Wolters WR, Picklo MJ, Sr. Dose-dependent consumption of farmed Atlantic salmon (*Salmo salar*) increases plasma phospholipid n-3 fatty acids differentially. *Journal of the Academy of Nutrition and Dietetics*, 2013;113:282-287. PMID: 23351633
39. **Raatz S**, Silverstein J, Jahns L, Picklo M. Issues of fish consumption for cardiovascular disease risk reduction. *Nutrients*, 2013;5:1081-1097. *[Invited]*. PMID 23538940
40. Aldrich ND, Perry C, Thomas W, **Raatz SK**, Reicks MR. Perceived importance of dietary protein to prevent weight gain: a national survey among midlife women. *Journal of Nutrition Education and Behavior*, 2013;45:213-221. PMID: 23622350
41. Young LR, **Raatz SK**, Thomas W, Redmon JB, Kurzer MS. Total dietary fat and omega-3 fatty acids have modest effect on urinary sex hormones in postmenopausal women. *Nutrition and Metabolism* 2013;10:36. PMID: 23618064
42. Young LR, Kurzer MS, Thomas W, Redmon JB, **Raatz SK**. Low fat diet with omega-3 fatty acids increases plasma-like growth factor concentration in healthy postmenopausal women. *Nutrition Research*. 2013;33:565-571. PMID:23827131
43. Qin W, **Raatz S**, Zhang KK, Rosenberger TA, Sauter ER. Polyunsaturated fatty acid content is increased in the milk of women with pregnancy associated breast cancer. *Journal of Human Lactation*, 2014;1-5, doi: 10.1177/0890334414539576. PMID: 24938528
44. Troup R, Hayes J, **Raatz S**, Thyagarajan B, Khaliq W, Jacobs DR, Key NS, Morawski BM, Kaiser D, Bank AJ, Gross M. Effect of Black Tea Intake on Blood Cholesterol Concentrations in Individuals with Mild Hypercholesterolemia: A Diet-Controlled Randomized Trial. *Journal of the Academy of Nutrition and Dietetics*, 2015;115:264-271. PMID: 25266246.
45. Jahns L, **Raatz SK**, Johnson LK, Kranz S, Silverstein J, Picklo MJ. Intake of seafood in the U.S. varies by sex, age, income, and education level but not by race-ethnicity. *Nutrients* 2014;6:6060-6075. PMID: 25533013
46. **Raatz S**, Scheett AJ, Johnson LK, Jahns L. Validity of electronic diet recording nutrient estimates compared to dietitian analysis of diet records: a randomized controlled trial. *Journal of Medical Internet Research* 2015;17(1):e21. doi:.2196/jmir:374410. PMID: 25604640
47. **Raatz S**, Jahns L, Johnson LK, Crosby R, Mitchell JE, Crow S, Peterson C, le Grange D, Wonderlich S. Nutritional adequacy of reported dietary intake in young women with anorexia nervosa. *Nutrients* 2015; 7: 3652-3665. PMID: 25988761
48. **Raatz SK**, Johnson LK, Picklo MJ. Consumption of honey, sucrose, and high fructose corn syrup exert produce similar metabolic effects in glucose-tolerant and -intolerant individuals. *Journal of Nutrition* 2015;145: 2265-2272. PMID: 26338891

49. **Raatz SK**, Johnson LK, Bukowski M. Enhanced Bioavailability of EPA from Emulsified Fish Oil Preparations versus Capsular Triacylglycerol. *Lipids*: 2015;51:643-651. *PMID*: 26688435
50. **Raatz SK**, Idso L, Johnson LK, Jackson MI, Combs GF. Resistant starch analysis of commonly consumed potatoes: Content varies by cooking method and service temperature but not by variety. *Food Chemistry* 2016;208:297-300. *PMID*: 27132853
51. **Raatz SK**, Johnson LK, Picklo MJ. Consumption of increasing doses of farmed Atlantic salmon (*Salmo salar*) influences lipoprotein concentration and particle size in overweight men and women. *Nutrition Research* 2016;36:899-906.
52. Csallany AS, Ainslie-Waldman CE, Young LR, Kurzer MS, Chen C, Kurzer MS, **Raatz SK**. A Diet with 3% of Energy from a Mixture of Omega-3 Fatty Acids Significantly Increases in vivo Lipid Peroxidation in Postmenopausal Women. *Food and Nutrition Sciences* 2016;7:1099-1111.
53. Jahns L, Johnson LK, Scheett AJ, Stote K, **Raatz SK**, Subar AF, Tandy D. Measures of Diet Quality across Calendar and Winter Holiday Seasons Among Midlife Women: A One-year Longitudinal Study Using the Automated Self-Administered 24-Hour Dietary Recall System. *Journal of the Academy of Nutrition and Dietetics*. 2016;116:1961-1969.
54. Jahns L, Conrad Z, Johnson LK, Scheett AJ, Stote K, **Raatz SK**. Diet Quality is Lower and Energy Intake Higher on Weekends Compared to Weekdays in Midlife Women: A One-Year Cohort Study. (*Journal of the Academy of Nutrition and Dietetics: In review*).
55. Chung M, Wand DD, Archer E, Higgins J, Kim S, Laughlin M, Qi L, **Raatz S**, Siegel RD, Slavin J, Spahn J, Steffen D, Warshaw H, Tang A. Research Prioritizations Assessed by a Multidisciplinary Stakeholder Panel in a Broad Field of Nutrition Science Regarding Dietary Sugars and Health. *BMC Nutrition*. 2016;2:66; DOI 10.1186/s40795-016-0108-0.
56. Arikawa AY, Kaufman BC, **Raatz SK**, Kurzer MS. Effects of a Randomized Controlled Weight Loss Pilot Study on Biological and Psychosocial Parameters of Overweight and Obese Breast Cancer Survivors. (*Journal of Pilot and Feasibility Studies: In review*).
57. Flaskerud K, Bukowski M, Golovko M, Johnson L, Brose S, Ali A, Cleveland B, Picklo M, **Raatz S**. Effects of cooking technique on fatty acid content of farmed rainbow trout (*Oncorhynchus mykiss*). (*Food Chemistry: In review*).
58. Cleveland B, Weber GM, **Raatz SK**, Rexroad CE, Picklo MJ. Lipid partitioning during sexual maturation varies across fillet regions in the female rainbow trout (*Oncorhynchus mykiss*). (*Aquaculture: In review*).
59. **Raatz SK**, Jahns L, Johnson LK, Scheett A, Carriquiry A, Lemieux A, Nakajima M, al'Absi M. Nutritional Adequacy of Reported Dietary Intake of Smokers vs Nonsmokers. (*Nutrition Research: In review*).

***Peer Reviewed Publications – Multicenter Studies (as a member of the Look AHEAD Research Group)***

60. *The Look AHEAD Research Group*. Reduction in weight and cardiovascular disease risk factors in individuals with type 2 diabetes: one-year results of the Look AHEAD trial. *Diabetes Care* 2007;30:1374-1383. *PMID*: 17363746

61. Gorin AA, Wing RR, Fava JL, Jakicic JM, Jeffery R, West DS, Brelje K, DiLillo VG; Look AHEAD Home Environment Research Group. Weight loss treatment influences untreated spouses and the home environment: evidence of a ripple effect. *International Journal of Obesity* 2008;32(11):1678-1684. PMID: 18762804
62. Gorin AA, Niemeier HM, Hogan P, Coday M, Davis C, DiLillo VG, Gluck ME, Wadden TA, West DS, Williamson D, Yanovski, Look AHEAD Research Group. Binge eating and weight loss outcomes in overweight and obese individuals with type 2 diabetes. *Archives of General Psychiatry* 2008;65(12):1447-1455. PMID: 19047532
63. Jakicic JM, Jaramillo SA, Balasubramanyam A, Bancroft B, Curtis JM, Mathews A, Pereira M, Regensteiner JG, Ribisl PM, Look AHEAD Study Group. Effect of a lifestyle intervention on change in cardiorespiratory fitness in adults with type 2 diabetes: results from the Look AHEAD Study. *International Journal of Obesity* 2009; 33:305–316. PMID: 19153582
64. Espeland MA, Bray GA, Neiberg R, Rejeski WJ, Knowler WC, Lang W, Cheskin LJ, Williamson D, Lewis CB, Wing R; Look Ahead Study Group. Describing patterns of weight changes using principal components analysis: results from the Action for Health in Diabetes (Look AHEAD) research group. *Annals of Epidemiology* 2009;19:701-710. PMID: 19628410
65. Williamson DA, Rejeski J, Lang W, Van Dorsten B, Fabricatore AN, Toledo K, Look AHEAD Research Group. Impact of a weight management program on health-related quality of life in overweight adults with type 2 diabetes. *Archives of Internal Medicine* 2009;169(2):163-171. PMID: 19171813
66. Wadden TA, West DS, Neiberg RH, Wing RR, Ryan DH, Johnson KC, Foreyt JP, Hill JO, Trencle DL, Vitolins MZ, Look AHEAD Research Group. One-year weight losses in the Look AHEAD study: Factors associated with success. *Obesity* 2009;17(4):713-722. PMID: 19180071
67. Redmon JB, Bertoni AG, Connelly A, Feeney PA, Glasser SP, Glick H, Greenway F, Hesson LA, Lawlor MS, Montez M, Montgomery B, The Look AHEAD Research Group. Effect of the Look AHEAD study intervention on medication use and related costs to treat cardiovascular disease risk factors in individuals with type 2 diabetes. *Diabetes Care* 2010;33:1153-1158. PMID: 20332353
68. Belalcazar LM, Reboussin DM, Haffner SM, Hoogeveen RC, Kriska AM, Schwenke DC, Tracy RP, Pi-Sunyer FX, Ballantyne CM, for the Look AHEAD Research Group. A 1-year lifestyle intervention for weight loss in individuals with type 2 diabetes reduces high C-reactive protein levels and identifies metabolic predictors of change: from the Look AHEAD study. *Diabetes Care* 2010;33:2297-2303. PMID: 20682679
69. The Look AHEAD Research Group. Long-term effects of the lifestyle intervention on weight and cardiovascular risk factors in individuals with type II diabetes mellitus: four year results of the Look AHEAD Trial. *Archives of Internal Medicine* 2010;170:1566-1575. PMID: 20876408
70. Foy CG, Lewis CE, Hairston KG, Miller GD, Lang W, Jakicic JM, Rejeski WJ, Ribisl PM, Walkup MP, Wangenknecht LE, Look AHEAD Research Group. Intensive lifestyle intervention improves physical function among obese adults with knee pain: Findings from the Look AHEAD Trial. *Obesity* 2011;19:83-93. PMID: 20559303

71. Wing RR, Lang W, Wadden TA, Safford M, Knowler WC, Bertoni AG, Hill JO, Brancati FL, Peters A, Wagenknecht L, and the *Look AHEAD Research Group*. Benefits of modest weight loss in improving cardiovascular risk factors in overweight and obese individuals with type 2 diabetes. *Diabetes Care* 2011;34:1481-1486. PMID: 21593294
72. Belalcazar LM, Ballantyne CM, Lang W, Haffner SM, Rushing J, Schwenke DC, Pi-Sunyer FX, Tracy RP; the *Look AHEAD Research Group*. Metabolic Factors, Adipose Tissue, and Plasminogen Activator Inhibitor-1 Levels in Type 2 Diabetes: Findings from the Look AHEAD Study. *Arterioscler Thromb Vasc Biol.* 2011;7:1689-1695. PMID: 21512162
73. *The Look AHEAD Research Group*. The development and description of the comparison group in the Look AHEAD trial. *Clinical Trials* 2011;8:320-329. PMID: 21730080
74. Wadden TA, Neiberg RH, Wing RR, Clark JM, Delahanty LM, Hill JO, Krakoff J, Ryan DH, Vitolins MZ, *The Look AHEAD Research Group*. Four-year weight losses in the Look AHEAD Study: Factors associated with long-term success. *Obesity* 2011;19:1987-1998. PMID: 21779086
75. Unick JL, Beavers D, Jakicic JM, Kitabchi AE, Knowler WC, Wadden TA, Wing RR, *Look AHEAD Research Group*. Effectiveness of lifestyle interventions for individuals with severe obesity and type 2 diabetes. *Diabetes Care* 2011;34:2152-2157. PMID: 21836103
76. Faulconbridge LF, Wadden TA, Rubin RR, Wing RR, Walkup MP, Fabricatore AN, Coday M, Van Dorster B, Mount DL, Ewing LJ and the *Look AHEAD Research Group*. One-year changes in symptoms of depression and weight in overweight/obese individuals with Type 2 diabetes in the Look AHEAD study. *Obesity* 2012;20:783-793. PMID: 22016099
77. Rejeski WJ, Ip EH, Bertoni AG, Bray GA, Evans G, Gregg EW, Zhang Q for the *Look AHEAD Research Group*. Lifestyle change and mobility in obese adults with type 2 diabetes. *New England Journal of Medicine* 2012;366:1209-1217. PMID: 22455415
78. McCaffery JM, Papandonatos GD, Peter I, Huggins GS, Raynor HA, Delahanty LM, Cheskin LJ, Balasubramanyam A, Wagenknecht LE, Wing RR for the Genetic Subgroup of Look AHEAD and the *Look AHEAD Research Group*. Obesity susceptibility loci and dietary intake in the Look AHEAD Trial. *American Journal of Clinical Nutrition* 2012;95:1477-1486. PMID:22513296
79. Peter I, McCaffery JM, Kelley-Hedgpepeth A, Hakonarson H, Reis S, Wagenknecht LE, Kopin AS, and Huggins GS for the Genetics Subgroup of the *Look AHEAD Study*. Association of type 2 diabetes susceptibility loci with one-year weight loss in the look AHEAD clinical trial. *Obesity* 2012;20:1675-1682. PMID: 22307069
80. Neiberg RH, Wing RR, Bray GA, Reboussin DM, Rickman AD, Johnson KC, Kitabchi AE, Faulconbridge LF, Kitzman DW and Epseland MA and the *Look AHEAD Research Group*. Patterns of weight change associated with long-term weight change and cardiovascular disease risk factors in the Look AHEAD study. *Obesity* 2012;20:2048-2056. PMID: 22327053
81. Ribisl PM, Gaussoin SA, Land W, Bahnson J, Connelly SA, Horton ES, Jakicic JM, Killean T, Kitzman DW, Knowler WC, Stewart KJ and the *Look AHEAD Research Group*. Lifestyle intervention improves heart rate recovery from exercise in adults with type 2 diabetes: Results from the Look AHEAD Study. *Journal of Obesity* 2012;2012:309196, doi:10.1155/2012/309196 PMID:23227314

82. Gregg EW, Chen H, Wagenknecht LE, Clark JM, Delahanty LM, Bantle JP, Pownall HJ, Johnson KC, Safford MM, Kitabchi AE, Pi-Sunyer FX, Wing RR, Bertoni AG for the Look AHEAD Research Group. Association of an intensive lifestyle intervention with remission of type 2 diabetes. *Journal of the American Medical Association* 2012;308:2489-2496. PMID: 23288372
83. Brancati FL, Evans M, Furberg CD, Geller N, Haffner S, Kahn SE, Kaufmann PG, Leris CE, Nathan DM, Pitt B, Safford MS on behalf of the Look AHEAD Study Group. Midcourse correction to a clinical trial when the event rate is underestimated: the Look AHEAD (Action for Health in Diabetes) Study. *Clinical Trials* 2012;9:113-124. PMID: 22334468
84. Jakicic JM, Egan CM, Fabricatore AN, Gaussoin SA, Glasser SP, Hesson LA, Knowler WC, Land W, Regensteiner JG, Ribisl PM, Ryan DH and The Look AHEAD Research Group. Four-year change in cardiorespiratory fitness and influence on glycemic control in adults with type 2 diabetes in a randomized trial: The Look AHEAD trial. *Diabetes Care* 2013;36:1297-1303. PMID: 23223405
85. Belalcazar LM, Lang W, Haffnewr SM, Hoogeveen RC, Pi-Sunyer FX, Schwenke DC, Balasubramanyam A, Tracy RP, Kriska AP, Ballantyne CM and the Look AHEAD Research Group. Adiponectin and the mediation of HDL-cholesterol change with improved lifestyle: the Look AHEAD Study. *Journal of Lipid Research* 2012;53:2726-2733. PMID:22956782
86. Unick JL, Beavers D, Bond DS, Clark JM, Jakicic JM, Kitabchi AE, Knowler WC, Wadden TA, Wagenknecht LE, Wing RR, The Look Ahead Research Group. The long-term effectiveness of lifestyle intervention in severely obese individuals. *The American Journal of Medicine*. 2013;126:236-242. PMID: 23410564
87. Rubin RR, Peyrot M, Gaussoin SA, Espeland MA, Williamson D, Faulconbridge LF, Wadden TA, Ewing L, Safford M, Evans-Hudnall G, Wing RR, Knowler WC, The Look AHEAD Research Group. Four-year analysis of cardiovascular disease risk factors, depression symptoms, and antidepressant medicine use in the look ahead (Action for Health in Diabetes) clinical trial of weight loss in diabetes. *Diabetes Care*. 2013;36:1088-1094. PMID: 23359362
88. Miller GD, Jakicic JM, Rejeski WJ, Whit-Glover MC, Lang W, Walkup MP, Hodges ML, The Look AHEAD Research Group. Effect of varying accelerometry criteria on physical activity: The Look AHEAD Study. *Obesity* 2013;21:32-44. PMID: 23505166
89. Belalcazar LM, Haffner SM, Lang W, Hoogeveen RC, Rushing J, Schwenke DC, Tracy RP, Pi-Sunyer FX, Kriska AM, Ballantyne CM, the Look AHEAD (Action for Health in Diabetes) Research Group. Lifestyle intervention and/or statins for the reduction of C-reactive protein in type 2 diabetes: From the Look AHEAD Study. *Obesity* 2013;21:944-950. PMID:23512860
90. Espeland MA, Rejeski WJ, West DS, Bray GA, Clark JM, Peters AL, Chen H, Johnson KC, Horton ES, Hazuda HP, Action for Health in Diabetes Research Group. Intensive weight loss intervention in older individuals: Results from the Action for Health in Diabetes type 2 diabetes mellitus trial. *Journal of the American Geriatric Society* 2013;6:912-922. PMID:23668423
91. The Look AHEAD Research Group. Cardiovascular effects of intensive lifestyle intervention in type 2 diabetes. *New England Journal of Medicine* 2013;369:145-154. PMID:23796131

92. McCaffery JM, Papandonatos GD, Huggins GS, Peter I, Kahn SE, Knowler SE, Hudnail GE, Lipkin EW, Kitabchi AE, Wagenknecht LE, Wing RR, The Genetic Subgroup of Look AHEAD, *The Look AHEAD Research Group*. FTO predicts weight regain in the Look AHEAD Clinical Trial. *International Journal of Obesity* 2013;37:37:1545-1552. PMID:23628854
93. McCaffery JM, Papandonatos GD, Huggins GS, Peter I, Erar B, Kahn SE, Knowler WC, Lipkin EW, Kitabchi AE, Wagenknecht LE, Wing RR, The Genetic Subgroup of Look AHEAD and *The Look AHEAD Research Group*. Human cardiovascular disease IBC chip-wide association with weight loss and weight regain in the Look AHEAD Trial. *Human Heredity* 2013;75:160-174. PMID:24081232
94. Fitzpatrick SL, Jeffery R, Johnson KC, Roche CC, Van Dorsten B, Gee M, Johnson RA, Charleston J, Dotson K, Walkup MP, Hill-Briggs F, Brancati FL, The Look AHEAD Research Group. Baseline predictors of missed visits in the Look AHEAD Study. *Obesity* 2014;22:131-140. PMID: 23996977
95. *The Look AHEAD Research Group*. Eight-year weight losses with an intensive lifestyle intervention: The Look AHEAD Study. *Obesity* 2014;22:5-13.
96. Wing RR, Leahey T, Jeffery R, Johnson KC, Hill JO, Coday M, Espeland MA, *The Look AHEAD Research Group*. Do weight loss and adherence cluster within behavioral treatment groups? *Obesity* 2014;22:638-644. PMID:23804576
97. Espeland MA, Lewis CA, Bahnson J, Knowler WC, Regensteiner JG, Gaussoin SA, Beavers D, Johnson KC, *The Look AHEAD Research Group*. Impact of weight loss on ankle-brachial index and inter-artery blood pressures in overweight and obese adults with diabetes. *Obesity* 2014;22:1032-1041. PMID: 24174392
98. Breyer BN, Phelan S, Hogan PE, Rosen RC, Kitabchi AE, Wing RR, Brown JS, *The Look AHEAD Research Group*. Intensive lifestyle intervention reduces urinary incontinence in overweight/obese men with type 2 diabetes: Results from the Look AHEAD trial. *The Journal of Urology* 2014;192:144-149. PMID: 24533998
99. *Look AHEAD Research Group*. Effect of a long-term behavioral weight loss intervention on nephropathy in overweight or obese adults with type 2 diabetes: a secondary analysis of the Look AHEAD randomized clinical trial. *Lancet Diabetes Endocrinology*. 2014;2:801-809.
100. Unick JL, Hogan P, Neiberg R, Cheskin L, Dutton G, Evans-Hudnall G, Jeffery R, Kitabchi A, Nelson J, Pi-Sunyer X, West D, Wing RR for the *Look AHEAD Research Group*. Evaluation of early weight loss thresholds for identifying non-responders to an intensive lifestyle intervention. *Obesity* 2014; 22:1608-1616. PMID: 24771618
101. Lipkin EW, Schwartz AV, Anderson AM, Davis C, Johnson KC, Gregg EW, Bray GA, Berkowitz R, Peters AL, Hodges A, Lewis C, Kahn SE, and *The Look AHEAD Research Group*. The Look AHEAD Trial: Bone loss at four-year follow-up in type 2 diabetes. *Diabetes Care* 2014;37:2822-2829. PMID: 25048381
102. Yoneyama S, Guo Y, Lanktree MB, et al, the *Look AHEAD Research Group*, Konig W, Langae TY, Mccaffery J, et al, , the GIANT Consortium, the CARE IBC Consortium, Hakonarson H, Lange LA, Demerath EW, et al. Gene-centric meta-analyses for central adiposity traits in up to 57,412 individuals of European descent confirm known loci and reveal several novel associations. *Human Molecular Genetics*, 2014;23:2498–2510. PMID: 24345515



103. Belalcazar LM, Anderson AM, Lang W, Schwenke DC, Haffner SM, Yatsuda H, Rusing J, Vitolins MZ, Reeves R, Pi-Sunyer X, Tracy RP, Ballantyne CM and the *Look AHEAD (Action for Health in Diabetes) Research Group*. Fiber intake and plasminogen activator inhibitor-1 in type 2 diabetes: Look AHEAD (Action for Health in Diabetes) Trial findings at baseline and 1 year. *Journal of the Academy of Nutrition and Dietetics* 2014;114:1800-1810 PMID: 25131348
104. Raynor HA, Anderson AM, Miller GD, Reeves R, Delahanty LM, Vitolins MZ, Harper P, Mobley C, Konersman K, Mayer-Davis E, the *Look AHEAD Research Group*. Partial meal replacement plan and quality of the diet at 1 year: Action for Health in Diabetes (Look AHEAD) Trial. *Journal of the Academy of Nutrition and Dietetics* 2015;115:731-742. PMID: 25573655
105. White DK, Neogi T, Rejeski WJ, Walkup MP, Lewis CE, Nevett MC, Foy CG, Felson DT, *the Look AHEAD Research Group*. Can an intensive diet and exercise program prevent knee pain among overweight adults at high risk? *Arthritis Care & Research*. 2015;67:965-971. PMID: 25692781
106. Espeland MA, Probstfield J, Hire D, Redmon JB, Evans GW, Coday M, Lewis CE, Johnson KC, Wilmoth S, Bahnson J, Dulin MF, Green JB, Knowler WC, Kitabchi A, Murillo AL, Osei K, Rehman SU, Cushman WC, the *Look AHEAD Research Group*, and the ACCORD Study Group. Systolic blood pressure control among individuals with Type 2 diabetes: A comparative effectiveness analysis of three interventions. *American Journal of Hypertension*. 2015;28:995-1009. PMID: 25666468
107. *The Look AHEAD Research Group*. Prospective association of a genetic risk score and lifestyle intervention with cardiovascular morbidity and mortality among individuals with type 2 diabetes: The Look AHEAD randomized, controlled trial. *Diabetologia*. 2015;58:1803-1813. PMID: 25972230
108. Neiberg RH, Rejeski JR, Applegate WB, Clark JM, Knowler WC, Bray GA, Espeland, MA, Cheskin LJ, *the Look AHEAD Research Group*. Self-Reported gastrointestinal symptoms in type 2 diabetes improve with an intensive lifestyle intervention: Results from the Action for Health in Diabetes (Look AHEAD) clinical trial. *Clinical Diabetes*. 2015;33:181-188. PMID: 26487792
109. McCaffery JM, Papandonatos GD, Faulconbridge LF, Erar B, Peter I, Wagenknecht LE, Pajewski NM, Anderson A, Wadden TA, Wing RR; *Look AHEAD Research Group*. Genetic predictors of depressive symptoms in the Look AHEAD Trial. *Psychosocial Medicine*. 2015;77:982-992. PMID: 26489030
110. Belalcazar LM, Lang W, Haffner SM, Schwenke DC, Kriska A, Balasubramanyam A, Hoogeveen RC, Pi-Sunyer FX, Tracy RP, Ballantyne CM; *Look AHEAD (Action for Health in Diabetes) Research Group*. Improving adiponectin levels in individuals with diabetes and obesity: Insights from Look AHEAD. *Diabetes Care*. 2015;38:1544-1550. PMID: 25972574
111. Papandonatos GD, Pan Q, Pajewski NM, Delahanty LM, Peter I, Erar B, Ahmad S, Harden M, Chen L, Fontanillas P, GIANT consortium, Wagenknecht LE, Kahn SE, Wing RR, Jablonski KA, Huggins GS, Knowler WC, Florez JC, McCaffery JM, Franks PW, Diabetes Prevention Program and the Look AHEAD Research Groups. Genetic predisposition to weight loss & regain with lifestyle intervention: analyses from the Diabetes Prevention Program & the Look AHEAD randomized controlled trials. *Diabetes* 2015;64:4312-21. PMID: 26253612

112. Belalcazar LM, Papandonatos GD, Erar B, Peter I, Alkofide H, Balasumramanyam A, Brautbar A, Kahn SE, Knowler WC, Ballantyne CM, McCaffery JM, Huggins GS, The Look AHEAD Study. Lifestyle intervention for weight loss and cardiometabolic changes in the setting of glucokinase regulatory protein (GCKR) inhibition: GCKR-Leu446Pro Variant in Look AHEAD. *Circ Cardiovasc Genetics* 2016;9:71-78. PMID: 26578543

### **Articles for Publication**

1. **Raatz SK**, Johnson LK, Conrad Z, Picklo MJ, Jahns L. Relationship of the intake of dietary fat and fatty acids to body weight in US adults. (*In preparation*).

### **Non-Peer-Reviewed Publications**

1. **Raatz S** (contributor). Grills, NJ, Bosscher M (eds.) 1981. *Manual of Nutrition and Diet Therapy*, 10th Ed., Macmillan Publishing Company, Inc., New York, NY.
2. **Raatz S**. Prediction of ideal weight in patients with anorexia nervosa. *Nutritional Support Services* 1984;4(5):51.
3. Miller LG, **Raatz S**. Development of a food/drug interaction discharge counseling program. *Nutrition International* 1987;3(1):47.
4. **Raatz, SK**. Diet and nutrition - What should we eat? *Minnesota Medicine* 2003; 86(11):28-33. [Invited] PMID: 14658556
5. **Raatz SK**. Controversies in using the glycemic index. *Clinical Nutrition Insight*. 2008;34(6):1-4. [Invited]
6. Mancino JM, Vitolins M, the *Look AHEAD Research Group*. Weight loss and fitness improvement in persons with type 2 diabetes: Experiences for the Look AHEAD trial intervention. *Weight Management Matters* 2012;10:3-7.
7. **Raatz SK**, Scheett AJ, Johnson LK, Westereng RA, Langei CM. Community-based lifestyle intervention improves weight loss, body composition, fitness and chronic disease risk biomarkers. *Weight Management Matters* 2014;13(2):19-24.

### **Books**

1. Acquista A, Vandermolen LA. 2006. *The Mediterranean Prescription*. Ballantine Books, New York, NY. Role: Consultant.
2. Warren CS, Raymond NC, Lee SS, Bartholome LH, & **Raatz SK**. (2009). Characteristics of binge eating in bulimia nervosa and binge eating disorder: A review and empirical investigation. In *Binge Eating: Psychological Factors, Symptoms, and Treatment* (pp. 23-41). Hauppauge, NY: Nova Science Publishers, Inc.
3. **Raatz SK**, Bibus DM (editors) 2016. *Fish and Fish Oil in Health and Disease Prevention*. 2016. Academic Press- Elsevier, Kidlington, Oxford, UK.

### **Abstracts**

1. **Raatz S**, O'Donnell M, Brunson B, Azzizi E, Barroso, A, Alpert E. Nutritional screening of patients referred to a GI service in a teaching hospital. *Gastroenterology* 1985;88(5):1548A.
2. Barroso AO, Azzizi E, Brunson B, **Raatz S**, Alpert E. Caloric replacement (CR) of the elderly hospitalized patient. *Gastroenterology* 1985;88(5):1316A.
3. Ambroz MJ, Swanson J, **Raatz S**. Nutrition care planning in the research setting. *Journal of the American Dietetic Association* 1989;89(9):A-13.

4. Salahudeen AK, Hostetter TH, **Raatz SK**, Rosenberg ME. Low protein diet improves glomerular permselectivity in chronic rejection. *Kidney International* 1990;37(1):612A.
5. Garg A, Reaven GM, Bantle JP, Griver K, Raatz SK and the Multicenter Diet Study Group. Long-term effects of high-carbohydrate versus high-monounsaturated-fat diets in NIDDM. *Diabetes* 1992;41(1):72A.
6. Milla C, Doherty L, Raatz S, Schwartzberg SJ, Regelman W, Moran A. The glycemic response to dietary supplements in cystic fibrosis is dependent upon the carbohydrate content of the formula. *Pediatric Pulmonology* 1995;20 (Supp 12):AA292.
7. **Raatz SK**, Bantle JP, Thomas W. Linoleic acid derived eicosanoid metabolites as biomarkers of total dietary fat intake. *Journal of the American Dietetic Association* 1996;96(Supp):A78.
8. **Raatz SK**, Bantle J, Bibus D, Kris-Etherton P, Thomas W. Effect of high versus low fat feeding on the fatty acid composition of serum lipids. *American Journal of Clinical Nutrition* 1997;66(1):A207.
9. Bantle J, **Raatz S**, Kwong C, Swanson J, Hoover B, Redmon B. Pharmacologic induction of weight loss to treat type 2 diabetes. *Diabetes* 1998;47( Supp 1):A104.
10. Swanson J, **Raatz S**, Kwong C, Redmon B, Thomas W, Bantle J. Energy and macronutrient intake of type 2 diabetics participating in a clinical trial of pharmacologic induction of weight loss. *Journal of the American Dietetic Association* 1998;98;9(Supp 1):A74.
11. Kwong C, **Raatz S**, Swanson J, Redmon B, Thomas W, Bantle J. Energy expenditure and body composition of type 2 diabetics participating in a clinical trial of pharmacologic induction of weight loss. *Journal of the American Dietetic Association* 1998;98;9):A74.
12. Khan K, Brown DM, **Raatz S**, Sharp HL. Osteopenia in children before or after liver transplantation. *World Congress of Pediatric Gastroenterology, Hepatology and Nutrition*, 2000.
13. Pereira MA, Jacobs DR, Pins JP, **Raatz SK**, Gross M, Slavin J, Seaquist E. The effect of whole grains on insulin sensitivity in overweight adults: A controlled feeding study. *Exp Biology* 2000.
14. Pereira MA, Jacobs DR, Pins JP, **Raatz SK**, Gross M, Slavin J, Seaquist E. The effect of whole grains on body weight and insulin sensitivity in overweight hyperinsulinemic adults. *Diabetes* 2000;49 (Supp 1): A40.
15. Pereira MA, Jacobs DR, Pins JP, **Raatz SK**, Gross M, Slavin J, Seaquist E. The effect of whole grain foods on body weight, insulin sensitivity, and fibrinolytic activity in overweight hyper-insulinemic adults. 7th Nordic Nutrition Congress, Åland, 18-21 June, 2000.
16. Khan K, Brown DM, **Raatz S**, Sharp HL. Osteopenia in children before or after liver transplantation. *Journal of Pediatric Gastroenterology and Nutrition* 2000;31(Supp 3):S113.
17. **Raatz SK**, Bantle JP, Redmon JB, Swanson JE, Reck K, Kwong K. Effects of nutrient substrate on weight loss and insulin sensitivity. *Ann Nutr Metab* 2001;45:240.
18. Finney L, Kwong C, Swanson J, Reck K, Murtaugh M, **Raatz S**. Coordination of clinical studies: An advanced career path for dietitians. *Journal of the American Dietetic Association* 2001;101(9):A75.
19. **Raatz S**, Reck K, Kwong C, Redmon JB, Swanson J, Fan Q, Thomas W, Bantle J. A combination of weight loss therapies for overweight subjects with type 2 diabetes mellitus. *Diabetes* 2002; 51(Supp 2):A413.

20. **Raatz S**, Bibus D, Redmon JB. Bioavailability and acceptability of a structured lipid versus parent oils enriched with long chain omega-3 fatty acids. International Society for the Study of Fatty Acids and Lipids, 2002.
21. **Raatz SK**, Bantle JP, Redmon JB, Reck KP, Kwong CA, Swanson JE. Effects of low glycemic index energy restricted diets on weight loss, body composition and insulin sensitivity. *Journal of the American Dietetic Association* 2002;102(9; Supp 2):A-11.
22. **Raatz SK**, Reck KP, Kwong CA, Swanson JE, Redmon JB, Bantle JP. Bone Mineral of Individuals with Type 2 Diabetes Mellitus after Combination Weight Loss Therapy using Appetite Suppression and Meal Replacements. *Journal of the American Dietetic Association* 2002;102(Supp 9):A-10.
23. Reck KP, **Raatz SK**, Kwong CA, Redmon JB, Swanson JE, Fan Q, Thomas W, Bantle JP. Effect of intermittent low calorie diets on weight loss in subjects with Type 2 diabetes mellitus. *Journal of the American Dietetic Association* 2002;102(Supp 9):A-10.
24. Khan K, **Raatz S**, Sharp H. Bone mineral density in adults undergoing liver transplantation as children or young adults. *Journal of Pediatric Gastroenterology and Nutrition* 2003;37(3):383.
25. Jacobs DR Jr., Murtaugh MA, Pereira MA, **Raatz SK**, Good CK, Marquart L. Commercially available whole grain foods reduce body weight compared to equal serving sizes of refined grain foods. *Experimental Biology* 2004.
26. Petryk A, Bergemann TL, Polga KM, Ulrich KJ, **Raatz SK**, Brown DM, Robison LL, Baker SK. Prospective study of changes in bone mineral density and turnover in children after hematopoietic cell transplantation. *American Society of Hematology 47<sup>th</sup> Annual Meeting* 2005.
27. **Raatz SK**, Orr LR, Redmon JB, Kurzer, MS. Dietary fat, eicosanoids and breast cancer risk. *Women's Health Research Conference 2005: Focus on Young Women*. Deborah E Powell Center for Women's Health, University of Minnesota, Minneapolis, 2005
28. Hughes J, Wetzsteon R, Redmon JB, **Raatz SK**. Relationships among early cardiovascular disease risk factors in women. *Women's Health Research Conference 2005*. Deborah E Powell Center for Women's Health, University of Minnesota, Minneapolis, 2005.
29. Orr L, McColley S, Redmon JB, Kurzer, MS, **Raatz SK**. Effect of dietary fat and fatty acids on plasma sex hormone profiles in postmenopausal women. *Women's Health Research Conference 2006*. Deborah E Powell Center for Women's Health, University of Minnesota, Minneapolis, 2006
30. The Look AHEAD Research Group. Reduction in weight and cardiovascular disease (CVD) risk factors in subjects with Type 2 diabetes (T2DM): one-year results of Look Ahead. *American Diabetes Association* 2006.
31. Parekh D, Jacobs D, **Raatz S**, Steinberger J, Sinaiko A. CT versus other estimates of visceral fat in adolescents and young adults. *Pediatric Academic Societies' Annual Meeting*, 2007, Toronto, Canada.
32. **Raatz SK**, Fiedorowicz JG, Coryell WH, Hale NL, Spector AA. Assessment of omega-3 fatty acid intake by a simple dietary questionnaire validated with erythrocyte fatty acid levels. *Bioactive Lipids in Cancer, Inflammation and Related Disease 10<sup>th</sup> International Conference*, 2007, Montreal, Canada.
33. Orr L, Redmon JB, Kurzer MS, **Raatz SK**. Effect of high omega-3 fatty acid diet on markers of breast cancer risk in postmenopausal women. *Bioactive Lipids in Cancer, Inflammation and Related Disease 10<sup>th</sup> International Conference*, 2007, Montreal, Canada.

34. Hanson N, Orr L, Kurzer M, **Raatz S**. Effect of dietary fat on plasma sex hormone binding globulin and estradiol in postmenopausal women. Deborah E Powell Center for Women's Health, University of Minnesota, Minneapolis. Sept, 2007
35. McColley S, Orr L, Georgopoulos A, Kurzer M, **Raatz S**. Changes in triglyceride-rich lipoproteins in response to diets of varying fat and fatty acids. Deborah E Powell Center for Women's Health, University of Minnesota, Minneapolis. Sept, 2007
36. Mulia S, **Raatz S**, Khan K. The influence of nutrient intake and body composition on bone mineralization in adults after pediatric liver transplantation. North American Society of Pediatric Gastroenterology, Hepatology, and Nutrition Annual Meeting. 2007, Salt Lake City, UT.
37. Steffen LM, Zhou X, **Raatz S**, Redmon JB. Hispanic women at greater risk of metabolic syndrome due to more visceral fat than non-Hispanic white women. American Diabetes Association. 2008, San Francisco, CA.
38. **Raatz SK**, Hanson NK, Orr LR, Redmon JB, Kurzer MS. Breast cancer risk reduction: Effect of dietary fat and fatty acids on plasma estrogen and testosterone indices in postmenopausal women. DOD Breast Cancer Research Meeting, 2008, Baltimore, MD.
39. Orr LR, Redmon JB, Kurzer MS, **Raatz SK**. Effect of high omega-3 fatty acid diet on markers of breast cancer risk in postmenopausal women. DOD Breast Cancer Research Meeting, 2008, Baltimore, MD.
40. Matsumoto N, Redmon JB, **Raatz SK**. Reduction of early cardiovascular disease risk by omega-3 fatty acid supplementation. International Congress of Dietetics, 2008, Yokohama, Japan.
41. Terpstra M, Torkelson C, **Raatz S**, White T, Ugurbil K, and Tkac I. Noninvasive Quantification of human brain antioxidant concentrations via double edited <sup>1</sup>H MRS throughout intravenous delivery of vitamin C. International Society for Magnetic Resonance in Medicine, 2009, Honolulu, HI.
42. Aldrich N, Reicks M, Redmon B, **Raatz S**. Total weight and body composition changes in response to weight reduction diets of varied content in midlife women. *Alternative Therapies*. 2009; 15: S94.
43. Terpstra M, Torkelson C, White T, McPherson S, Tkac I, and **Raatz S**. Human brain antioxidant concentrations measured noninvasively throughout IV administration of vitamin C and normal aging. Gordon Research Conference on Oxidative Stress & Disease 2009, Lucca, Italy.
44. Orr LR, Redmon JB, Kurzer MS, **Raatz SK**. Effect of high omega-3 fatty acid diet on markers of breast cancer risk in postmenopausal women. *Experimental Biology*, 2009, Anaheim, CA; *FASEB Journal*. 2009 23:558.2.
45. **Raatz SK**, Orr LR, Redmon JB, Kurzer MS. Effect of total dietary fat and omega 3 fatty acid intake on plasma estrogen and androgen indices in postmenopausal women: Risk reduction for breast cancer. American Dietetic Association Food and Nutrition Expo 2009, Denver, CO; *Journal of the American Dietetic Association* 2009;109:A50.
46. Orr, LR, Redmon JB, Kurzer MS, **Raatz SK**. Effects of dietary fat and omega-3 fatty acid intake on plasma fatty acids and hormone levels in post-menopausal women. American Institute for Cancer Research Conference, 2009.
47. **Raatz S**, Orr L, Redmon B, Kurzer M. Effects of n3 intake on plasma phospholipid fatty acids and sex hormone profiles in postmenopausal women: Potential for breast cancer risk reduction. American Oil Chemist's Society Annual Meeting, 2010, Phoenix, AZ.

48. **Raatz SK**, Orr LR, Kurzer MS, Picklo MJ Sr. A low fat diet enhances polyunsaturated fatty acid desaturation and elongation independent of n-3 enrichment. *Experimental Biology*, 2011, Washington DC; *FASEB Journal*. 2011;25:338.2.
49. Young LR, Kurzer MS, Redmon JB, Thomas W, **Raatz SK**. Low fat diet with omega-3 fatty acids increases plasma insulin-like growth factor concentration in healthy postmenopausal women, DOD Era of Hope, 2011, Orlando, FL.
50. Kelchen MN, Rosenberger TA, Picklo Sr. MJ, and **Raatz SK**. Effect of farmed Atlantic salmon intake on plasma esterified fatty acid and cholesterol content: A clinical dose response study. University of North Dakota, School of Medicine and Health Sciences, Summer Undergraduate Research Poster Session, 2011
51. Holzer LR, Scheett A, **Raatz SK**. Relationship between reported carbohydrate intake and fasting blood glucose. University of Wisconsin, Stout, WI, McNair Scholars Program, Summer Research, 2011.
52. Scheett AJ, Johnson LK, **Raatz SK**. Validity of electronic assessment methods compared to registered dietitian analysis of diet records. American Dietetic Association Food and Nutrition Expo 2011, San Diego, CA; *Journal of the American Dietetic Association* 2011;111(9):22S.
53. Ainslie-Waldman CE, Young LR, Kurzer MS, **Raatz SK**, Csallany AS. The effect of dietary fat and omega-3 fatty acids on whole body lipid oxidation. *Experimental Biology* 2012, San Diego, CA; *FASEB Journal* 2012 26:1016.2.
54. **Raatz SK**, Johnson LK, Scheett AJ, Langei CM, Westereng RA. Community based lifestyle modification improves body weight, anthropometric, and fitness parameters. *Experimental Biology* 2012, San Diego, CA; *FASEB Journal* 2012;26:813.10.
55. Picklo M, Rosenberger T, Burr G, Wolters W, **Raatz S**. Twice-weekly consumption of farmed Atlantic salmon increases plasma content of phospholipid n-3 fatty acids. *FASEB Journal* 2012;26:1016.4.
56. Holzer LR, Scheett A, **Raatz SK**. Relationship between reported carbohydrate intake and fasting blood glucose. National Conference for Undergraduate Research, 2012, Ogden, Utah.
57. **Raatz SK**, Bibus DM. Enhanced absorption of n-3 fatty acids from emulsified compared with encapsulated fish oil. American Oil Chemist's Society Annual Meeting, 2012, Long Beach, CA.
58. Jackson MI, Idso LA, Combs GF, Beals K, **Raatz SK**. A standardized method for preparation of potatoes and analysis of their resistant starch content: Variation by cooking method and service temperature. *Experimental Biology* 2013, Boston, MA; *FASEB Journal* 2013;27:1074.2.
59. Picklo MJ, **Raatz SK**, Cleveland B, Rexroad C. Evaluation of long-chain n-3 fatty acid content in diploid and triploid rainbow trout. *Experimental Biology* 2013, Boston, MA; *FASEB Journal* 2013;27:1079.1015.
60. McMahon A, **Raatz S**. Preliminary analysis of the effects of high and low resistant starch potato consumption on cardiometabolic risk factors in the context of a lifestyle modification intervention program. University of North Dakota, School of Medicine and Health Sciences, Frank Low Research Day Poster Session, April 10, 2014
61. **Raatz S**, Vickers Z, Strubeck E, Johnson L. Development of a standard methodology for assessing the satiating effect of foods. *Experimental Biology* 2014, San Diego, CA; *FASEB J* April 2014 28:47.1.

62. **Raatz S**, Beals K, Johnson L, Picklo M. Chronic intake of honey, sugar and high fructose corn syrup exert equivalent effects on glucose and insulin. *Experimental Biology* 2014, San Diego, CA; *FASEB J* April 2014 28:1039.4.
63. **Raatz S**, Johnson L, Bibus D. A single dose of emulsified versus capsular fish oils on has equivalent effects on chylomicron fatty acids over 8 hours. *Obesity Week* 2014, Boston, MA.
64. Krabbenhoft LK, Simsek S, **Raatz SK**, Thompson AL. Identification of specific starch profiles in North Dakota State University potato germplasm for nutritional and industrial utilization. 31st Annual Plant Science Graduate Student Symposium, University of Manitoba, Winnipeg, MB, Canada. March 14, 2015.
65. Jahns L, **Raatz S**, Johnson L, Kranz S, Silverstein JT, Picklo M. Seafood intake by US adults. *Experimental Biology* 2015, Boston, MA; *FASEB Journal* 2015;29:763.30.
66. **Raatz S**, Beals K, Johnson L, Picklo M. Glycemic effect of nutritive sweeteners: Honey, sugar and high fructose corn syrup. *Experimental Biology* 2015, Boston, MA; *FASEB Journal* 2015;29:596.3.
67. **Raatz S**, Johnson L, Bibus D. Effect of a single dose of emulsified versus capsular fish oils on plasma phospholipid fatty acids over 48 hours. *Experimental Biology* 2015, Boston, MA; *FASEB Journal* 2015;29:598.1.
68. Krabbenhoft L, **Raatz S**, Simek S, Garden-Robinson J, Thompson A. Cooking method: Assessment of impact on starch content of potato cultivars. 2015 Bio-Industry Summit, North Dakota State University, Fargo, ND. May 28, 2015.
69. Krabbenhoft L, Simek S, Garden-Robinson J, **Raatz S**, Thompson A. Identification of specific starch profiles in NDSU potato germplasm. Northern Plains Potato Growers Association Research Reporting Conference, Grand Forks, ND. January 16, 2016
70. Jahns L, Johnson LK, **Raatz SK**, Scheett, AJ, Stote K. Diet quality is lower and energy intake higher on weekends than weekdays: A one-year longitudinal study of midlife women. *Experimental Biology* 2016, San Diego, CA; *FASEB Journal* 2016; 30:906.1.
71. Flakerud K, Picklo M, Bukowski M, **Raatz S**. Effects of frying in various cooking oils on fatty acid content of farmed rainbow trout (*Oncorhynchus mykiss*). *Experimental Biology* 2016, San Diego, CA; *FASEB Journal* 2016;30:1163.7.
72. **Raatz, SK**, Johnson LK, Picklo MJ. Farmed Atlantic salmon (*Salmo salar*) influences lipoprotein concentration and particle size in healthy men and women. *AOCS* 2016, Salt Lake City, UT.
73. **Raatz SK** Johnson LK, Rosenberger TA and Picklo MJ. Dose-dependent intake of farmed Atlantic salmon (*Salmo salar*) influences plasma phospholipid n-3 fatty acids and lipoprotein concentration and particle size in healthy men and women. Northern Great Plains Lipids Conference. June 11-12, 2016, Grand Forks, ND.
74. Flakerud K, Golovko M, Johnson L, Vanessa Thyne V, Picklo M and **Raatz S**. Frying modifies the oxylipin content of farmed rainbow trout (*Oncorhynchus mykiss*). Northern Great Plains Lipids Conference. June 11-12, 2016, Grand Forks, ND.
75. Jahns L, Johnson LK, **Raatz SK**, Picklo MJ. Association of fatty acid intake with weight status in the US population. Northern Great Plains Lipids Conference. June 11-12, 2016, Grand Forks, ND.
76. Žáček P, Bukowski M, **Raatz SK**, Picklo M. Incorporation of Dietary n-3 Fatty Acids into Selective Phosphatidylcholine Lipids in Human Plasma after Salmon Intake. *Experimental Biology* 2017, Chicago, IL.

77. Helfin LE, Plunkett SA, King E, Johnson LK, Soldat DJ, **Raatz SK**. Mineral Content of Eggs from Backyard Chickens Reared Under Differing Conditions. Experimental Biology 2017, Chicago, IL.
78. **Raatz SK**, Johnson LK, Picklo MJ, and Jahns L. Association of fatty acid intake with weight status in the US population. AOCS 2017, Orlando, FL.
79. Picklo M, Žáček P, Bukowski M, Johnson L, Idso HJ, **Raatz S**. Dietary medium chain saturated fat reduces obesity-induced outcomes in mice. AOCS 2017, Orlando, FL.