

## Curriculum Vitae

**Mario Kratz, PhD****1. PERSONAL DATA**

Place of Birth: Schleiden, Germany  
Citizenship: German  
Contact Information: Nourished by Science LLC  
4730 University Way NE  
Suite 104 - #2025  
Seattle, WA 98105  
United States of America  
mario@nourishedbyscience.com

**2. CURRENT POSITION**

2021 - present Founder & Director, Nourished by Science LLC, Seattle, WA  
Nourished by Science is an online platform dedicated to providing nuanced, evidence-based information about the relationship between nutrition, health, and chronic disease

**3. EDUCATION**

1991-1996 MS, Nutritional Sciences, University of Bonn, Germany  
1997-2002 PhD, Nutritional Sciences, University of Bonn, Bonn, Germany, and Institute of Arteriosclerosis Research at the University of Münster, Münster, Germany

**4. POSTGRADUATE TRAINING**

2002-2003 Postdoctoral Fellow, Leibnitz Institute of Arteriosclerosis Research, University of Münster, Münster, Germany  
2003-2007 Senior Research Fellow of Medicine, Division of Metabolism, Endocrinology & Nutrition, University of Washington, Seattle, WA

**5. FACULTY POSITIONS HELD**

2007-2013 Assistant Member (Professor), Fred Hutchinson Cancer Research Center, Public Health Sciences Division, Cancer Prevention Program, Seattle, WA  
2008-2014 Research Assistant Professor, University of Washington, School of Public Health, Department of Epidemiology, Seattle, WA  
2009-2014 Adjunct Research Assistant Professor of Medicine, University of Washington, School of Medicine, Division of Metabolism, Endocrinology & Nutrition, Seattle, WA  
2008-2021 Core Faculty Member, Interdisciplinary Graduate Program in Nutritional Sciences, University of Washington, School of Public Health, Department of Epidemiology, Seattle, WA  
2012-2016 Associate Director, Immunology and Inflammation Core, University of Washington Diabetes Research Center (DRC), Seattle, WA  
2013-2021 Associate Professor, Fred Hutchinson Cancer Research Center, Public Health Sciences Division, Cancer Prevention Program, Seattle, WA  
2014-2021 Adjunct Research Associate Professor of Medicine, University of Washington, School of Medicine, Division of Metabolism, Endocrinology & Nutrition, Seattle, WA  
2014-2021 Research Associate Professor, University of Washington, School of Public Health, Department of Epidemiology, Seattle, WA

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2016-2021	Associate Director, Enrichment Program, University of Washington Diabetes Research Center (DRC), Seattle, WA
2016-2021	Associate Director, Pilot & Feasibility Program, University of Washington Diabetes Research Center (DRC), Seattle, WA
2019-2021	Affiliate Faculty Member, University of Washington Medicine Diabetes Research Institute, Seattle, WA

**6. HOSPITAL POSITIONS HELD**

N/A

**7. HONORS**

2004-2005	Fellow of the German Research Foundation [Deutsche Forschungsgemeinschaft (DFG)]
2004-2006	Dick & Julia McAbee Endowed Fellow in Diabetes Research

**8. BOARD CERTIFICATION**

N/A

**9. LICENSURE**

N/A

**10. PROFESSIONAL ORGANIZATIONS**

2007-2010	International Association for the Study of Obesity (IASO)
2007-2010	North American Association for the Study of Obesity (NAASO)
2007-Today	American Society for Nutrition (ASN)
2008-2015	American Diabetes Association (ADA)

**11. TEACHING RESPONSIBILITIES**

2002-2003	Teaching, <b>Clinical Nutrition: Dyslipidemia</b> , University of Applied Sciences, Münster, Germany
2004-2006	Teaching Group Leader, <b>HuBio544 Endocrine Systems</b> , University of Washington, Seattle, WA.
2007	Teaching Group Leader, <b>HuBio 568 Clinical Nutrition</b> , University of Washington, Seattle, WA.
2008-2010	Teaching Class, <b>HuBio555 Health Care in Three Nations</b> , University of Washington, Seattle, WA.
2009-2012	Teaching Class, <b>EPI 538 / NUTR 538 Diet/Gene Interactions in Disease Risk</b> , University of Washington, Seattle, WA
2010	Teaching Class, <b>EPI 573: Methods and Issues in Using Biological Measurements in Epidemiologic Research</b> , University of Washington, Seattle, WA
2012	Teaching Class, <b>NUTR 562: Nutrition and Chronic Disease</b> , University of Washington, Seattle, WA
2013-2020	Teaching Class, <b>NUTR 520: Nutrition and Metabolism</b> , University of Washington, Seattle, WA
2013-2019	Course Director, <b>EPI 538 / NUTR 538: Nutritional Epidemiology</b> , University of Washington, Seattle, WA
2015-2019	Teaching Class, <b>NUTR 531: Public Health Nutrition</b> , University of Washington, Seattle, WA

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## A. Fellows and Post-Doctoral Fellows in Laboratory

- 2008-2016 Ilona Larson, PhD, Post-Doctoral Fellow  
 2008- Derek Hagman, PhD, Post-Doctoral Fellow, Research Associate, Staff Scientist  
 2009 - 2011 Elena Geamanu, MD, Senior Fellow in Endocrinology, University of Washington, Seattle, WA  
 2010 Andrea Cignarella, PhD, Fulbright Scholar, University of Padua, Italy  
 2015- Maggie S. Burhans, PhD, Post-Doctoral Fellow  
 2016- Jessica N. Kuzma, PhD, Research Associate

## B. Graduate or Medical Students

- 2008 Juan Suazo, BS, MPH student, New Mexico State University  
 2009-2010 Sarah Lowry, MS, Epidemiology, University of Washington, Seattle, WA

## C. Undergraduate Students

- 2001 Sarah Egert, BS, University of Applied Sciences, Münster, Germany

## D. Invited talks

- 2001 “The impact of diet on the regulation of body weight”. Training of clinical psychotherapists at the Christoph-Dornier-Klinik for Psychotherapy, Münster, Germany.
- 2002 “Comparison of a low-fat and a high-fat diet, both rich in monounsaturated fatty acids and  $\alpha$ -linolenic acid, with regard to serum lipids, low-density lipoprotein size and indices of lipid peroxidation”. Symposium on dietary fat and health. The European Federation for the Science and Technology of Lipids (EuroFedLipid), Augsburg, Germany.
- 2005 “The impact of dietary omega-3-polyunsaturated fatty acids on the regulation of body weight”. Annual retreat of the Clinical Nutrition Research Unit and the Diabetes Endocrinology Research Center at the University of Washington, Seattle, WA.
- 2008 “The impact of dietary omega-3-fatty acids on plasma adipokine concentrations and energy balance”. Invited oral presentation, Nutrition Seminar, Clinical Nutrition Research Unit, University of Washington, Seattle, WA.
- “In the absence of diabetes, does dietary glycemic index/load have an important role in promoting weight gain and increasing the risk of cardiovascular disease and diabetes? NO!” Invited oral presentation, Inverness Symposium, Inverness, CA.
- “Adipose Tissue Macrophage Infiltration and Inflammation: The Adipose Biology Group”. Oral presentation, Transdisciplinary Research into Energetics and Cancer (TREC) Scientific Meeting, Bethesda, MD.
- 2009 “CD16-positive macrophages in human adipose tissue: a key determinant of systemic inflammation and insulin resistance?”. Oral presentation,

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Transdisciplinary Research into Energetics and Cancer (TREC) Scientific Meeting, Seattle, WA.

- 2010 “Immunophenotypic characterization of immune cells in human adipose tissue”. Invited oral presentation, Annual Pre-TOS Meeting on Obesity and Related Diseases, San Diego, CA.
- 2011 “Adipose tissue biology”. Invited oral presentation, Conference on Exercise, Energy Balance, and Cancer, Heidelberg, Germany.
- “Characterization of adipose tissue immune cell populations: working out the kinks”. Oral presentation, University of Washington Diabetes Research Center / Nutrition Obesity Research Center Annual Retreat, Seattle, WA.
- 2012 “Adipose tissue inflammation and insulin resistance”. Invited oral presentation. Symposium on “Clinical research strategies for fructose metabolism”, National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD.
- 2013 “The relationship between high-fat dairy and obesity, cardiovascular, and metabolic disease”. Invited oral presentation. IUNS 20<sup>th</sup> International Congress of Nutrition, Granada, Spain.
- “Observational evidence for full-fat dairy products and risk factors for metabolic disease: state of the science and research gaps”. Invited oral presentation. Dairy Research Institute Research Roundtable on “Full-fat dairy products in nutrition and health”, Chicago, IL.
- “Vitamin D and low-grade chronic adipose tissue inflammation. Invited oral presentation”. University of Washington Diabetes Research Center / Nutrition Obesity Research Center Annual Retreat, Seattle, WA.
- 2014 “Adipose tissue inflammation in the etiology of obesity-associated chronic disease. Invited oral presentation”. Women’s Health Initiative Obesity and Diabetes Scientific Interest Group call, Seattle, WA.
- “Dairy fat, obesity, and cardiometabolic health”. Invited oral presentation. Dairy Farmers of Canada Symposium on Health 2014, Vancouver, BC, Canada.
- “Dairy fat, obesity, and cardiometabolic health”. Invited oral presentation. Dairy Farmers of Canada Symposium on Health 2014, Toronto, ON, Canada.
- 2015 “Low-grade chronic adipose tissue inflammation as a link between diet, obesity, and chronic disease”. Invited oral presentation. Benaroya Research Institute, Seattle, WA.
- “The role of dairy foods in obesity and cardiometabolic health including CVD and type 2 diabetes”. Invited oral presentation. Health Canada, symposium on the role of dairy foods in human nutrition. Ottawa, ON, Canada.
- Chair of the session entitled “Whole-milk dairy foods in nutrition and health:

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an evaluation of the current state of the science”. Satellite Symposium, Experimental Biology 2015, Boston, MA.

- 2016 “The impact of fructose- vs. glucose-sweetened beverages on low-grade chronic inflammation and intestinal permeability – a randomized controlled trial”. Invited oral presentation. Diabetes and Metabolism Seminar Series, University of Washington, Seattle, WA.
- “Adipose tissue inflammation: a potential link between obesity and cancer”. Invited oral presentation. Annual Meeting of the American Association of Immunologists. Immunology 2016. Seattle, WA.
- “Low-grade chronic adipose tissue inflammation at the interface of nutrition, obesity, and aging.” Invited oral presentation. Annual Meeting of the Gerontological Society of America, New Orleans, LA.
- 2017 “Low-fat vs. full-fat dairy foods: relationship to obesity, cardiovascular disease, and type 2 diabetes”. Invited oral presentation. Annual Board Meeting of the United Dairymen of Idaho, Boise, ID.
- “Low-fat vs. full-fat dairy: relationship to obesity and cardiometabolic disease”. Invited oral presentation. Grand Rounds at St. Luke’s Regional Medical Center, Boise, ID.
- “Low-Fat vs. Full-Fat Dairy Consumption, Obesity, and Cardiometabolic Disease”. Invited oral presentation. University of Washington Epidemiology Seminar.
- “Dairy Consumption and Type 2 Diabetes: Overview of Intervention Studies Including Choice of Control Group, Impact of Dosage, and External Validity. Invited oral presentation”. International Expert Meeting on Dairy and Type 2 Diabetes. University of Wageningen, Wageningen, The Netherlands.
- 2018 “Low-grade chronic adipose tissue inflammation: relationship to adiposity, insulin resistance, and glucose tolerance”. Invited oral presentation. Women’s Health Initiative Obesity and Diabetes Scientific Interest Group call.
- Chair of symposium entitled “Utility of Modeling in the Pathogenesis of Diabetes and its Complications”. University of Washington Diabetes Research Center, Seattle, WA.
- “Optimizing the diet composition in the Diabetes Prevention Program Lifestyle Intervention”. Oral presentation. University of Washington Clinical Research Interest Group. Seattle, WA.
- “How do we generate evidence in nutrition?” Invited oral presentation. University of Washington GEMNet Curriculum Development Session. Seattle, WA.
- 2019 “The impact of low-fat and full-fat dairy on metabolic health and body weight”. Invited oral presentation. American Dairy Products Institute, Dairy Ingredients Symposium, Santa Barbara, CA.

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“The impact of low-fat and full-fat dairy on metabolic health and body weight”. Invited oral presentation. American Oil Chemists Association Annual Meeting, St. Louis, MO.

“Impact of dairy food on glucose homeostasis: a randomized controlled trial”. Invited oral presentation. Utrecht Group Meeting, Utrecht, The Netherlands.

“The impact of low-fat and full-fat dairy foods on glucose homeostasis – a randomized controlled trial”. Invited oral presentation. University of Washington Diabetes Research Center/Diabetes Institute 2019 Kroc Symposium. Seattle, WA.

2020 “The Impact of Low-Fat and Full-Fat Dairy on Glucose Homeostasis”. Invited oral presentation. University of Washington Epidemiology Seminar (EPI 583). Seattle, WA.

“Impact of Dairy Fat on Inflammation”. Invited oral presentation. Nutrition Live Online 2020. Annual Meeting of the American Society for Nutrition. June 3, 2020.

**12. EDITORIAL RESPONSIBILITIES**

2015-today Member of the Editorial Board, American Journal of Clinical Nutrition

2016-2019 Member of the Editorial Board, Journal of Clinical Endocrinology & Metabolism

**13. SPECIAL NATIONAL RESPONSIBILITIES**

N/A

**14. SPECIAL LOCAL RESPONSIBILITIES**

A. Fred Hutchinson Cancer Research Center

2008-2010 Member of the Oversight Committee of the Fred Hutchinson Cancer Research Center Prevention Center, Seattle, WA.

2011-2021 Member of the Experimental Histopathology Advisory Committee at Fred Hutchinson Cancer Research Center, Seattle, WA.

2012-2021 Member of the Flow Cytometry Advisory Committee at Fred Hutchinson Cancer Research Center, Seattle, WA

2013-2021 Chair of the Nutrition and Physical Activity Affinity Group (NPAAG) at Fred Hutchinson Cancer Research Center, Seattle, WA

2015-2021 Member of the Biostatistical Shared Resource Advisory Committee at Fred Hutchinson Cancer Research Center, Seattle, WA

2019 Chair of the *ad hoc* Bid & Proposal review committee in the Public Health Sciences Division

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## B. University of Washington

- 2007-2011 Member of the Scientific Review Committee of the General Clinical Research Center, University of Washington, Seattle, WA.
- 2011- 2017 Member of the External Advisory Group for the Nutrition, Body Composition, and Energetics Core, University of Washington Institute of Translational Health Sciences.
- 2012-2021 Member of the University of Washington Diabetes Research Center Steering Committee
- 2012-2016 Associate Director of the University of Washington Diabetes Research Center Immunology & Inflammation Core (IIC)
- 2013-2021 Director of the NIDDK Medical Student Summer Research Program in Diabetes at the University of Washington Diabetes Research Center
- 2014-2018 Member of the Scientific Review Committee for the Nutrition and Obesity Research Center (NORC) Pilot & Feasibility Award Program
- 2016-2017 Member of the Advisory Committee of the Diabetes Research Center Human Studies Core (HSC)
- 2016-2021 Associate Director of the University of Washington Diabetes Research Center Enrichment Program
- 2016-2021 Associate Director of the University of Washington Diabetes Research Center Pilot & Feasibility Programs

## C. Student Supervisory Committees

- 2001 Sarah Egert, BS Nutritional Sciences, University of Applied Sciences, Münster, Germany (Committee Member)
- 2004 Svenja Dubben, MS, Nutrition Sciences, University of Bonn, Germany (Committee Member)
- 2009 Moz Benado, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- Lisa Giese, PhD, Nutritional Sciences, University of Washington, Seattle, WA (Committee Member)
- 2010 Marni Stott-Miller, MS, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- Gail Cromer, MSc, Nutrition Sciences, Bastyr University, Bothell, WA (Chair)
- 2011 Marc B. Horton, MSc, Genetic Epidemiology, University of Washington, Seattle, WA (Committee Member)

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- Sandi Navarro, PhD, Nutritional Sciences, University of Washington, Seattle, WA (Committee Member)
- Rachel Myhre, MSc, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- 2012 Elena Razmpoosh, MSc, Nutritional Sciences, University of Washington, Seattle, WA (Committee Member)
- Deborah Gardner, MPH, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- Sarah Shimer, MPH, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- Martine M. Perrigue, PhD, Nutritional Sciences, University of Washington, Seattle, WA (Committee Member)
- Marni Stott-Miller, PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- Derek K. Hagman, MPH, Epidemiology, University of Washington, Seattle, WA (Chair)
- 2013 Carla Mercado, PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- Sheetal Hardikar, PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- Laura Tobias, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- 2014 Kelly Ahern, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- Hilary Bethancourt, MPH, Epidemiology, University of Washington, Seattle, WA (Committee Member)
- 2015 Sally Barton, MS, Nutritional Sciences, University of Washington, Seattle, WA (Committee Member)
- Lisa Eberly, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- 2016 Katrina Hoch, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- Jessica N. Kuzma, PhD, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
- Lisa Weigle, MS, Nutritional Sciences, University of Washington, Seattle,



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	WA (Chair)
2018	Katty Tseng, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
	Kim Kummer, MS, Epidemiology, University of Washington, Seattle, WA (Committee Member)
2020	Hilary Bethancourt, PhD, Anthropology, University of Washington, Seattle, WA (Committee Member)
	Imashi Fernando, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
	Kelsey Schmidt PhD, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
	Xinwei Hua PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)
	Yu Ni PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)
	Merideth Murray, MS, Nutritional Sciences, University of Washington, Seattle, WA (Chair)
2021	Rachel Wenger-Kubiak, PhD, Epidemiology, University of Washington, Seattle, WA (Committee Member)

**15. RESEARCH FUNDING**

## A. Current

2018-2023 Sponsor: NIH R01 DK089036 (PI: Schur, Ellen)  
 Title: A twin study of obesity pathogenesis using fMRI  
 Role in project: Co-investigator

## B. Pending

None

## C. Past

2000-2002 Sponsor: Union for the Promotion of oil- and protein-producing plants & Central Marketing Agency of the German Agricultural Industry grant (PI: Wahrburg, Kratz)  
 Title: Comparison of a high-fat and a low-fat diet, both rich in monounsaturated fatty acids, with regards to composition, oxidizability, and atherogenicity of low-density lipoprotein.  
 Role in the project: Co-Principal Investigator.

2002-2003 Sponsor: Stifterverband für die Deutsche Wissenschaft grant [TS 022/12372/2002 (PI: Kratz)]

- Title: Effect of margarines enriched in plant sterols or stanols on the serum plant sterol and stanol concentrations in subjects heterozygous for mutations known to cause sitosterolemia.  
Role in project: Principal Investigator.
- 2004-2006 Sponsor: Dick & Julia McAbee Endowed Fellowship in Diabetes Research (PI: Kratz)  
Title: The impact of dietary  $\omega$ -3-polyunsaturated fatty acids on the regulation of body weight.  
Role in project: Principal Investigator.
- 2004-2005 Sponsor: German Research Foundation [Deutsche Forschungsgemeinschaft (DFG)]  
Postdoctoral Fellowship award [KR 2284/2-1 (PI: Kratz)]  
Title: The impact of dietary  $\omega$ -3-polyunsaturated fatty acids on the regulation of body weight.  
Role in project: Principal Investigator.
- 2006-2008 Sponsor: American Diabetes Association Clinical Research Award (PI: Weigle)  
Title: The impact of dietary omega-3-polyunsaturated fatty acids on the regulation of body weight.  
Role in project: Co-Investigator.
- 2007-2008 Sponsor: NIH Transdisciplinary Research on Energetics and Cancer (TREC) Developmental Research Project Grant  
Title: The impact of diet and physical activity on the number and type of macrophages in subcutaneous abdominal adipose tissue.  
Role in project: Principal Investigator.
- 2008-2009 Sponsor: University of Washington Institute of Translational Health Sciences (ITHS) Technology Access Grant  
Title: Effects of fructose and glucose on caloric intake and eating behavior - A pilot study using Functional Magnetic Resonance Imaging.  
Role in project: Principal Investigator.
- 2008-2009 Sponsor: NIH Transdisciplinary Research on Energetics and Cancer (TREC) Developmental Research Project Grant  
Title: Fat & Inflammation-Study.  
Role in project: Principal Investigator.
- 2009-2013 Sponsor: American Diabetes Association 7-09-CT-36 (PI: Kratz). Clinical/Translational Research Award  
Title: Inflammatory dendritic cells in adipose tissue inflammation and insulin resistance.  
Role in project: Principal Investigator.  
Total cost: \$547,574.
- 2010-2013 Sponsor: NIH R21 CA143248 (PI: Kratz). National Cancer Institute (NCI)  
Title: Adipose tissue inflammation and estrogen synthesis.  
Role in project: Principal Investigator.  
Total cost: \$426,483.
- 2010-2015 Sponsor: NIH P50 CA148143 (PI: Thompson, project PI: Neuhausser). National Cancer Institute (NCI)  
Title: Understanding and Preventing Breast Cancer Disparities in Latinas.  
Role in project: Co-Investigator.
- 2011-2013 Sponsor: University of Washington Nutrition Obesity Research Center (NORC) Pilot & Feasibility Award (PI: Kratz)  
Title: Vitamin D and Chronic Low-Grade Adipose Tissue Inflammation.  
Role in project: Principal Investigator.

- Total cost: \$90,000.
- 2011-2014 Sponsor: University of Washington Diabetes Research Center (DRC) Pilot & Feasibility Award (PI: Kratz)  
Title: Dietary Fructose and Intestinal Permeability.  
Role in project: Principal Investigator.  
Total cost: \$100,000.
- 2011-2014 Sponsor: NIH R01 DK089528 (PI: Cummings, Flum). National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Title: Feasibility, Efficacy, and Mechanisms of Surgical vs Medical Diabetes Therapy. Role in project: Co-Investigator, subcontract PI.  
Subcontract total cost: \$272,672.
- 2011-2016 Sponsor: NIH R01 DK089036 (PI: Schur). National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Title: A Twin Study of Obesity Pathogenesis using fMRI.  
Role in the project: Co-Investigator, subcontract PI: Subcontract  
Total cost: \$230,232.
- 2011-2014 Sponsor: NIH R21 HL 108257 (PI: Kratz). National Heart, Lung, and Blood Institute (NHLBI)  
Title: Dietary Fructose and Low-Grade Inflammation.  
Role in project: Principal Investigator.  
Total cost: \$513,545.
- 2012-2017 Sponsor: NIH U54 HD0424541 (PI: Bremner, project PI: Page). National Institute of Child Health and Human Development (NICHD)  
Title: Impact of Male Hormonal Contraceptives on Risk Factors for Cardiometabolic Disease.  
Role in the project: Co-Investigator, subcontract PI.  
Total cost: \$141,821.
- 2012-2022 Sponsor: NIH P30 DK017047 (PI: Kahn). National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Title: Diabetes Research Center.  
Role in project: Co-Investigator, PI of subcontract.  
Total cost: \$559,803.
- 2013-2014 Sponsor: Fred Hutchinson Cancer Research Center Specialized Program of Research Excellence (SPORE) Pilot & Feasibility award (PI: Kratz, Korde) f  
Title: Aromatase Inhibitor Therapy: Effects on Adipose Tissue Inflammation.  
Role in project: Co-Principal Investigator.  
Total cost: \$60,000.
- 2013-2016 Sponsor: NIH R24 MD008068 (PI: Ko, Perry). National Institute on Minority Health and Health Disparities (NIMHD)  
Title: Collaboration for a Healthy Community.  
Role in project: Co-Investigator
- 2014-2015 Sponsor: Fred Hutchinson Cancer Research Center Cancer Center Support Grant (CCSG) Pilot Award (PI: Kratz)  
Title: Diet-induced metabolic activation as a key initiator of low-grade chronic inflammation.  
Role in project: Principal Investigator.  
Total cost: \$70,000.

- 2015-2018 Sponsor: Dairy Research Institute award (PI: Kratz)  
Title: The impact of low-fat and full-fat dairy consumption on glucose homeostasis.  
Role in project: Principal Investigator.  
Total cost: \$1,586,026.
- 2015-2019 Sponsor: NIH R01 CA192222 (PI: Lampe). National Institutes of Health/National Cancer Institute  
Title: Human and Bacterial Molecular Pathways in Cancer Risk: Modulation by Diet  
Role in Project: Co-Investigator
- 2015-2020 Sponsor: NIH R01 DK102960 (PI: Becker). National Institutes of Health/National Institute of Diabetes and Digestive and Kidney Diseases.  
Title: 'Metabolically Activated' Macrophages in Obesity and Insulin Resistance  
Role in Project: Co-Investigator
- 2018-2020 Sponsor: UW BPO30722 (PI: Kratz). Stork-Petersdorf Lung Cancer Research Award.  
Title: The Impact of Diet Quality on Biomarkers Associated with Lung Cancer Outcomes: Reducing Insulin, Growth Hormones, and Tumors (the RIGHT Study)  
Role in Project: Principal Investigator.
- 2016-2020 Sponsor: NIH R01 MD010540 (PI: Ko). National Institute of Health/National Institute of Minority Health and Health Disparities.  
Title: Together We STRIDE (Strategizing Together Relevant Interventions for Diet and Exercise)  
Role in Project: Co-Investigator
- 2018-2023 Sponsor: NIH R01 DK089036 (PI: Schur). National Institutes of Health/National Institute of Diabetes and Digestive and Kidney Diseases.  
Title: A Twin Study of Obesity Pathogenesis using fMRI.  
Role in project: Co-Investigator.
- 2018-2019 Sponsor: NIH R01 GM111772 (PI: Isoherranen, Rubinow). National Institutes of Health.  
Title: Mechanisms of Regulation of Retinoic Acid Homeostasis.  
Role in project: Co-Investigator.
- 2018-2020 Sponsor: Fred Hutchinson Cancer Research Center Stork Petersdorf Lung Cancer Research  
Title: The impact of diet quality on biomarkers associated with lung cancer outcomes: Reducing Insulin, Growth Hormones, and Tumors (RIGHT study)  
Total cost: \$50,000.  
Role in project: Principal Investigator.
- 2015-2020 Sponsor: NIH R01 DK102960 (PI: Becker, Lev)  
Title: Metabolically activated macrophages in obesity and insulin resistance  
Total cost: \$585,205  
Role in project: Co-Investigator, subcontract PI
- 2015-2019 Sponsor: NIH R01 CA192222 (PI: Lampe, Johanna)  
Title: Human and bacterial molecular pathways in cancer risk: modulation by diet  
Total cost: \$417,317  
Role in project: Co-investigator
- 2017-2022 Sponsor: NIH P30 DK017047 (PI: Kahn, Steven)  
Title: Diabetes Research Center  
Total cost: \$1,389,154  
Role in project: Co-investigator
- 2016-2020 Sponsor: NIH R01 MD010540 (PI: Ko, Linda)  
Title: Together we STRIDE (Strategizing Together Relevant Interventions for Diet and

Exercise)

Total cost: \$294,137

Role in project: Co-investigator

2018-2020 Sponsor: NIH R01 GM111772 (PI: Isoherranen, Nina)  
 Title: Mechanisms of regulation of retinoic acid homeostasis  
 Total cost: \$85,224 (subcontract direct costs)  
 Role in project: Co-investigator, subcontract PI

## 16. BIBLIOGRAPHY

\* = most significant publications

### A. Publications in Refereed Journals

1. Lorkowski S, **Kratz M**, Wenner C, Schmidt R, Weitkamp B, Fobker M, Reinhardt J, Rauterberg J, Gallinski EA, Cullen P. Expression of the ATP-binding Cassette transporter gene ABCG1 (ABC8) in Tangier Disease. *Biochemical and Biophysical Research Communications* 2001; 283: 821-30.
2. Junker R, **Kratz M**, Neufeld M, Erren M, Nofer JR, Schulte H, Nowak-Göttl U, Assmann G, Wahrburg U. Effects of diets containing olive oil, sunflower oil, or rapeseed oil on the hemostatic system. *Thrombosis and Haemostasis* 2001; 85: 280-286.
3. **Kratz M**, Cullen P, Kannenberg F, Kassner A, Fobker M, Abuja PM, Assmann G, Wahrburg U. Effects of dietary fatty acids on the composition and oxidizability of low-density lipoprotein. *European Journal of Clinical Nutrition* 2002; 56: 72-81.
4. **Kratz M**, Gülbaçe E, von Eckardstein A, Cullen P, Cignarella A, Assmann G, Wahrburg U. Dietary mono- and polyunsaturated fatty acids have similar effects on LDL size in healthy men and women. *Journal of Nutrition* 2002; 132: 715-718.
5. Wahrburg U, **Kratz M**, Cullen P. Olive oil, Mediterranean diet, and health. Review. *European Journal of Lipid Science and Technology* 2002; 9-10: 698-705.
6. **Kratz M**, von Eckardstein A, Fobker M, Buyken A, Posny N, Schulte H, Assmann G, Wahrburg U. The impact of dietary fat composition on serum leptin concentrations in healthy non-obese men and women. *Journal of Clinical Endocrinology and Metabolism* 2002; 87: 5008-5014.
7. **Kratz M**, Cullen P, Wahrburg U. The impact of dietary mono- and polyunsaturated fatty acids on risk factors for atherosclerosis in humans. Review. *European Journal of Lipid Science and Technology* 2002; 104: 300-311.
8. **Kratz M**, Wahrburg U, von Eckardstein A, Ezeh B, Assmann G, Kronenberg F. Dietary mono- and polyunsaturated fatty acids similarly increase plasma apolipoprotein A-IV concentrations in healthy men and women. *Journal of Nutrition* 2003; 133: 1821-1825.
9. Jacobs B, de Angelis-Schierbaum G, Egert S, Assmann G, **Kratz M**. Individual serum triglyceride responses to high-fat and low-fat diets differ in men with modest and severe hypertriglyceridemia. *Journal of Nutrition* 2004; 134: 1400-1405.
10. Cignarella A, Engel T, von Eckardstein A, **Kratz M**, Lorkowski S, Lueken A, Assmann G, Cullen P. Pharmacological regulation of cholesterol efflux in human monocyte-derived macrophages in the absence of exogenous cholesterol acceptors. *Atherosclerosis* 2005; 179: 229-236.
11. **Kratz M**, Kannenberg F, Gramenz E, Berning B, Trautwein E, Assmann G, Rust S. Response of subjects heterozygous for a mutation causing sitosterolemia to diets enriched in plant sterols or stanols. *European Journal of Clinical Nutrition* 2007; 61: 896-905.
12. **Kratz M**, Swarbrick M, Callahan HS, Matthys CC, Havel PJ, Weigle DS. Effect of dietary n-3-polyunsaturated fatty acids on plasma total and high molecular weight adiponectin concentrations in overweight or moderately obese men and women. *The American Journal of Clinical Nutrition* 2008; 87: 347-53.
13. **Kratz M**, Purnell JQ, Breen PA, Thomas KK, Utschneider KM, Carr DB, Kahn SE, Hughes JP, Rutledge EA, Van Yserloo B, Yukawa M, Weigle DS. Reduced adipogenic gene expression in thigh adipose tissue precedes Human Immunodeficiency Virus-associated lipodystrophy. *The Journal of*

- Clinical Endocrinology and Metabolism 2008; 93: 959-66.
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- B. Book Chapters
1. **Kratz M**. Basics of transcription and translation in the cell. IN: Lorkowski S und Cullen P (Editors): *Analysing gene expression*. VHC-Wiley, Weinheim, 2002.
  2. **Kratz M**. Dietary cholesterol, atherosclerosis, and coronary heart disease. IN: *Handbook of Experimental Pharmacology. Atherosclerosis – Influence of diets and drugs*. Von Eckardstein A (Editor). Springer, Heidelberg, 2005.
- C. Published Books, Videos, Software, etc.
- D. Other publications
- E. Manuscripts Submitted
1. Chen Y, Hoofnagle AN, Zelnick L, Wang K, Becker JO, Ruzinski J, **Kratz M**, Kestenbaum B. Measurement characteristics of proximal tubular secretory solutes. Manuscript submitted for publication (Clinical Chemistry).
- F. Abstracts (not included in publications)
1. Myhre R, **Kratz M**, Polivy J, Goldberg J, Buchwald D, Cummings DE, Schur EA. Restrained eating is associated with acquired differences in the response of plasma ghrelin to a milkshake preload. *Obesity* 2012; 38-OR.
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## 17. OTHER

N/A