

Degree Projects in Nutrition, 30, 45 & 60 hp (Master's Programme)

Degree projects during spring semester 2008

- 1 Elin Eriksson **Nutritional components with effects on cognitive function and mood – with focus on components found in bovine milk.**
Supervisors: Lars Thorell and Ulla Svensson
Arla foods, Innovation and Marketing

Degree project during autumn semester 2008

2. Johanna Lundberg **Effects of glucagon on cholesterol and lipid metabolism – with main focus on LDLR and PCSK9**
Supervisors: Lena Persson and Mats Rudling
Department of Medicine, Metabolism Unit
Karolinska Institutet

Degree project during autumn semester 2009

3. Sophie Hellstrand **Fruit and vegetable consumption in Swedish 5th graders – Results from the PRO GREENS project**
Supervisors: Christel Lynch, Agneta Yngve
Department of biosciences and nutrition
Karolinska Institutet

Degree projects during spring semester 2010

4. Jenny Malmborg **Qualitative assessment: current efforts on Gotland to promote a healthy diet and physical activity for children and adolescents**
Supervisor: Eric Poortvliet, Department of biosciences and nutrition, Karolinska Institutet
Co-supervisor: Lisa Stark, Gotland municipality

5. Maryam Iravani **The effect of Estradiol and Selective Estrogen Receptor Alpha and Beta agonists on murine and human Lymphoma cells in culture and *in vivo***(60 hp)
Supervisor: Konstantin Yakimchuk
Co-supervisor: Sam Okret
Department of biosciences and nutrition
Karolinska Institutet
6. Shirin Katoosi **Mechanisms of neuroprotective action of estrogen in Alzheimer's disease**(60 hp)
Supervisor: Laura Mateos-Montejo,
Co-supervisor: Angel Cedazo-Minguez
Department of Neurobiology, Care Sciences and Society(NVS), Karolinska Institutet
7. Sepideh Derakhshan **Characterization of a novel human glycine N-acyltransferase-like 3 (GLYATL3)** (60 hp)
Supervisors: Mary Hunt, Dominik Waluk
Department of Genetics, Microbiology and Toxicology (GMT), Stockholm University

Degree projects during autumn semester 2010

8. Ann Sjögren **Sweetness Perception in Low-sugar Fruit - and Berry products**
Supervisors: Annika Åström, Department of Sensory and Flavour Science
Maud Langton, Camilla Öhgren, Department of Structure and Material Design, The Swedish Institute for Food and Biotechnology
9. Thiane Gama Axelsson **Adjustment for residual renal function attenuates the mortality risk associated with poor appetite in end-stage renal disease**
Supervisors: Bengt Lindholm, Abdul Rashid Qureshi
Division of Baxter Novum and Renal Medicine,
Department of Clinical Science, Karolinska Institutet

Degree projects during spring semester 2011

10. Julia Engqvist **Environmental impact assessment of diets recommended by Swedish national dietary guidelines and review of policies guiding sustainable eating**
Supervisor: Jakob Lundberg

11. Maral Adel Fahmideh **DNA Methylation in midgut carcinoid tumors**
Supervisor: Jamileh Hashemi
Dept of Molecular Medicine and Surgery
Karolinska Institutet
12. Mats Lilja **Effects of sprint exercise combined with nutritional supply on hVps34**
Supervisor: Eva Janson, Mona Esbjörnsson, Håkan Rundqvist
13. Johanna Wallman **The effects of an intervention on Swedish schoolchildren's fruit and vegetable intake and on availability, encouragement and role models – Results from the Pro Greens Project**
Supervisors: Eric Poortvliet, Christel Lynch, Agneta Yngve, Department of biosciences and nutrition, Karolinska Institutet

Degree projects during autumn semester 2011

14. Maja Ullberg **Diet composition determine land requirements of the Swedish female and male food patterns**
Supervisor: Ingrid Strid
Department of Energy and Technology,
Swedish University of Agricultural Sciences (SLU)
15. Billy S. Langlet **Effects of gum chewing on energy intake and eating behavior after fasting and non-fasting conditions**
Supervisor: Modjtaba Zandian
Department of Neurobiology, Care Sciences and Society
Division of Applied Neuroendocrinology
16. Yasmina Belarbi **Adipose MicroRNAs, miR-16, -145 and let-7d as upstreamRegulators of Adiponectin Production in human Obesity**
Supervisor: Agne Kulyté
Department of Bioscience and Nutrition,
Karolinska Institutet and Stockholm University
17. Sofie Franzén **Associations between children's physical activity and parental self-efficacy**
Supervisor: Gisela Nyberg
Division of Social Medicine, Department of Public Health Sciences

Degree projects during spring 2012

- 18 Hanna Lundholm **The effect of wholegrain diet on dietary intake and measures of cardiovascular health**
Supervisor: Dr Roberta Re (Leatherhead Food Research)
Prof. Sam Okret (Karolinska Institutet)
Department of Bioscience and Nutrition,
Karolinska Institutet and Stockholm University
- 20 Linnea Olsson **Validation of food based nutrient criteria to assess school meal quality in Swedish primary schools**
Supervisor: PhD Emma Patterson
Division of Social Medicine, Department of Public Health Sciences
Co-supervisor: MSc Karin Lilja
Division of Social Medicine, Department of Public Health Sciences
- 21 Imre Kouw **The impact of dietary protein and carbohydrate co-ingestion on whole-body protein turnover in young and elderly men**
Supervisor: Prof. Dr. Luc J.C. van Loon
Department of Human Movement Sciences
Maastricht University Medical Centre+
Co-supervisor: Dr. Nicholas A. Burd
Department of Human Movement Sciences
Maastricht University Medical Centre+
- 22 Helen Johansson **Expression of hepatic fibroblast growth factor 19 in human liver**
Supervisor: Ewa C.S Ellis. PhD
Liver cell laboratory, F67
Unit for Transplantational surgery
Department of Clinical Science, Intervention and Technology, CLINTEC
Karolinska University Hospital Huddinge
Sweden
- 23 Katrin Bergström **Validation of tool for energy balance in children (TECH) - a newly-developed method for assessing energy and food intake using cell phones in young children**
Supervisor: Marie Löf, docent
Department of Biosciences and Nutrition, Karolinska Institutet
Co-supervisor: Hanna Henriksson, PhD-student
Department of Clinical and Experimental Medicine,
Linköping University

- 24 Sandra Ekström **Greenhouse gas emissions and food consumption: A study of sustainable food habits in Sweden**
Supervisor:
Katarina Bälter, Associate Professor
Department of Medical Epidemiology and Biostatistics, Karolinska Institutet,
Co-supervisors:
Sara Christensen, MSc Nutrition
Department of Medical Epidemiology and Biostatistics, Karolinska Institutet,
Fredrik Hedenus, Assistant Professor
Department of Energy and Environment, Chalmers University of Technology
- 25 Agnes Hedenström **Acyl-CoA thioesterase 9 is a tightly regulated hydrolase with broad substrate specificity.**
Supervisor: Stefan Alexson
Projektarbete inom magistern

Degree projects during spring 2013

- 26 Sara Appelgren **Macronutrients in human milk - Possible to mimic?**
Supervisors: Catharina Tennefors (R&D and Q Director) and Tova Almlöf (PhD, Biochemist)
Semper AB, Löfströms allé 5, 172 22 Sundbyberg, Sweden
- 27 Johan Krätzel **Role of MafB transcription factor in human adipogenesis and adipocyte metabolism**
Supervisors: Jurga Laurencikiene (Professor) and Annie Pettersson (PhD student), Department of Medicine, Huddinge
- 28 Linn Inganäs **Biochemical characteristics of spirochetes, clinical symptoms and microbiota composition in individuals suffering from colonic spirochetosis**
Supervisors: Anna Nixon Andreasson (Med Dr), Lars Agréus (Professor) Department of Neurobiology, Care Sciences and Society and Lars Engstrand (Professor) Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet.

- 29 Susanne Johansson **Probiotic characteristics of intestinal *Bifidobacterium longum* strains**
Supervisors:
Catherine Stanton Dr. and Rebecca Wall Dr.
Teagasc Moorepark, Teagasc Food Research Centre
Fermoy, Co Cork Ireland
- 30 Anna Nilsson **Antibiotic resistance of 43 NOVEL *Bifidobacterium longum* isolates of human infant origin**
Supervisors:
Dr. Catherine Stanton and Dr. Mary Rea
Department of Food Sciences
Teagasc Moorepark, Fermoy, Ireland
- 31 Johan Ekström **Changes in lean body mass during a 1-year commercial weight-loss program including a 500 kcal very-low-calorie diet or a 1200-1500 kcal low- calorie diet**
Supervisor: Erik Hemmingsson, Ph.D
Karolinska Institutet, Department of Medicine
Karolinska University Hospital Obesity Center

Degree projects during autumn semester 2013

- 32 Varvara Sjölander Gogulan **Breastfeeding and Infant Formula Consumption in Children with Autism Spectrum Disorder and Their Siblings - A Pilot Study in the Form of an Online Parent Survey. (60 hp)**
Supervisor: Sven Bölte, Cap Research Center and Rochellys Diaz Heijtz, Department of Neuroscience, Karolinska Institutet'
- 33 Uta Wilhelm **Effects of bioactive-food compounds and their interactions on human fat cell metabolism (30 hp)**
Supervisor: Jurga Laurencikiene and Christel Björk, Dept or Medicine, Huddinge, Karolinska Institutet
- 34 Mikaela Persson **A prospective cross-sectional study of vitamin C status and its relationship with glucose metabolism in obese Swedish children (30 hp)**
Supervisor: Kerstin Ekbom och Claude Marcus, Inst för klinisk vetenskap, intervention och teknik, Karolinska Institutet

- 35 Maria Henström **High FODMAP fruits and vegetables and Irritable Bowel Syndrome in two large population-based cohorts; a cross-sectional descriptive study (30 hp)**
Supervisors: Mauro D'Amato, Joseph Rafter, Dep of Biosciences and Nutrition
Nicola Orsini and Alicja Wolk, Institute of Environmental Medicine, Karolinska Institutet

Degree projects during autumn semester 2013 - spring semester 2014

- 36 Paul Petrus **Role of Saturated fatty acids in the regulation of 11- β -hydroxysteroid-dehydrogenase type 1 expression in human visceral adipose tissue (60 hp)**
Supervisors: Assoc prof Ulf Risérus,
Co-supervisors: Prof Mikael Rydén,
Assoc prof Ingrid Dahlman
- 37 Mia Brodén Borgvall **The Development of a Nutritionally Balanced Snack for School Aged Children (60 hp)**
Supervisor: Ph D Karin Vågstrand, Karolinska Institutet
- 38 Poorna Anand **Body composition as a complementary determinant of neo-adjuvant therapy of oesophageal cancer patients in Sweden (60 hp)**
Supervisor: Lena Martin Phd, Registered Dietitian Karolinska University Hospital, Stockholm
Co-supervisor: Torkel Brismar Assoc prof, CLINTEC Karolinska University Hospital
- 39 Helen Yohannes **BMI and Physical Fitness in Adolescents in the FMS Study (60 hp)**
Supervisor: Assoc prof Marie Löf, Department of Biosciences and nutrition, KI
Co-supervisor: Acki Wästlund, Svenska Institutet FMS
- 40 Christine Delisle **Validation of a web-based physical activity questionnaire and food frequency questionnaire in pre-school children (60 hp)**
Supervisor: Assoc prof Marie Löf, Department of Biosciences and nutrition, KI
- 41 Stefanie Schulz **Relation of dietary patterns to type 2 diabetes among Swedish older adults (30 hp)**
Supervisor: Anna-Karin Welmer PhD, Postdoc
Co-supervisor: Weili Xu, MD PhD Assoc Prof Karolinska Institutet, Aging Research Center

- 42 Katica Anusic **Effects of yoghurt on gut microbiota and health among elderly (60 hp)**
Supervisor: Susanne Rautiainen, PhD
Co-supervisor: Ann Burgaz, PhD
Unit of Nutritional Epidemiologi, Institute of Environmental Medicine (IMM) Karolinska Institutet
- 43 Katherine Trant **Effects of artificially sweetened beverage consumption on metabolic syndrome and type II diabetes: systematic review and meta-analysis a of prospective cohort studies (60 hp)**
Supervisor: Erik Hemmingsson PhD
Obesity Center, Karolinska University Hospital
Department of Medicine, Karolinska Institutet
- 44 Athanasios Tektonidis **Dietary and urinary magnesium and risk of cardiovascular disease: a validation study and a prospective cohort study (60 hp)**
Supervisor: Agneta Åkesson Assoc prof
Co-supervisor: Susanna Larsson Assoc Prof
Unit of Nutritional Epidemiology,
Institute of Environmental Medicine (IMM),
Karolinska Institutet

Degree projects during autumn semester 2014 – spring 2015

- 45 Erika Andersson Björnström (Vt2013) **VALTER – A Validation Study of Active – Q using Accelerometers in Overweight Men**
Supervisors: Stephanie Bonn, Katarina Bälter, Arvid Sjölander, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet
- 46 Yanina Taynard (Vt2013) **Adherence to the Nordic physical activity recommendations among middle-aged and elderly men from Stockholm**
Supervisors: Stephanie Bonn, Katarina Bälter, Department of Medical Epidemiology and Biostatistics
Ylva Trolle Lagerros, Department of Medicine
Karolinska Institutet
- 47 Johanna Lepp **Rapid weight increase in infliximab treated inflammatory bowel disease patients is sustained over time**
Supervisor: Sven Almer, Department of Medicine K2, Solna, Karolinska Institutet and GastroCentrum, Karolinska University Hospital

- 48 Helen Rochford **Body Composition Changes and Toxicity Outcomes in Oesophageal Cancer Patients during Neo-Adjuvant Therapy**
Supervisors: Lena Martin, Torkel Brismar, Karolinska University Hospital, Poorna Anand, Dept of Molecular Medicine and Surgery, Karolinska Institutet Solna
- 49 Luca Mazzurana **Functional characterization of Crohn's disease associated gene – LACC1**
Supervisors: Mauro D'Amato, Sam Okret, Joseph Rafter, Dept of Biosciences and Nutrition, Karolinska Institutet
- 50 Afroditi Barouti **Fruit and vegetable consumption and risk of prediabetes and type 2 diabetes in a Swedish prospective study**
Supervisors: Anneli Björklund, Agneta Hilding, Dept of Molecular Medicine and Surgery, Karolinska Institutet
- 51 Negar Koshkizadeh **Intake of fruits and vegetables, candy and sugar sweetened beverages and associations with body weight and fatness in Swedish 4-year-olds'**
Supervisors: Marie Löf, Christine Delisle, Dept of Biosciences and Nutrition, Karolinska Institutet
- 52 Prapasri Ljungberg **A Research Project on Sweetened Beverage Consumption: Results from Three Different Studies (Risk of developing Type 2 Diabetes: A meta-analysis, Risk of Heart Failure, AND The Characteristics of Elderly couples' Drinking Behavior: A population-based prospective cohort)**
Supervisors: Susanna Larsson, Iffat Rahman, Institute of Environmental Medicine, Karolinska Institutet
- 53 Maria Manti **Estrogen receptor beta in the regulation of metabolism in obese female mice**
Supervisor: Marion Korach-André, Dept of Biosciences and Nutrition, Karolinska Institutet
- 54 Mihaela Zabolica **Paired Guide RNA-Directed Gene Knockout of the Nuclear Receptor LXR α and LXR β using CRISPR/Cas9**
Supervisors: Tomas Jakobsson, Knut Steffensen, Dept of Laboratory Medicine, Karolinska University Hospital Huddinge

- 55 Jennifer Härdfeldt **Overexpression of Tgif2 in HepG2 cells impairs lipid metabolism and suggests opposite roles of Tgif1 and Tgif2 in lipogenesis**
Supervisors: Camilla Pramfalk, Paolo Parini, Dept of Laboratory Medicine, Dept of Biosciences and Nutrition, Karolinska Institutet at Karolinska University Hospital in Huddinge
- 56 Susanne El Makdissi **Biochemical characterization of 12-lipoxygenase from Zebrafish**
Supervisor: Agnes Rinaldo-Matthis, Department of Medical Biochemistry and Biophysics, Chemistry II, Karolinska Institutet

Degree projects during autumn semester 2015 – spring 2016

- 57 Petter Fagerberg **Physical activity patterns among anorexic patients at leave during Mandometer treatment process**
Supervisors: Ioannis Ioakeimidis, Billy Langlet, Department of Neurobiology, Care Sciences and Society (NVS), Karolinska institutet.
- 58 Christina Alexandrou **Parental self-efficacy for promoting healthy physical activity and dietary behaviours in children – the determinants and the effects of an intervention**
Supervisors: Marie Löf, Christine Delisle Nyström, Department of Medical Biosciences and Nutrition, Karolinska Institutet.
- 59 Malin Andersson **The effect of a high blue mussel (*Mytilus edulis*) intake on disease activity and inflammatory markers in women with rheumatoid arthritis**
Supervisor: Helen Lindqvist, Department of internal medicine and clinical nutrition, University of Gothenburg.
- 60 Eliska Pivrcova **Diet induced changes in growth and activity of *Desulfovibrio piger* in the human gut environment**
Supervisor: Arjan Narbad, Melinda Mayer, Department of Gut Health of Food Safety, Institute of Gut Health and Food Safety.

- 61 Elin Hedström **Vitamin D status in young children at high obesity risk, compared with a control group – in the Early STOPP (STockholm Obesity Prevention Program) study**
Supervisor: Kerstin Ekbom, Viktoria Svensson, Department of Clinical Science, Intervention and Technology, Karolinska Hospital in Huddinge
- 62 Gina Hendo **Body Composition Changes Assessed by Computed Tomography Scans in Palliative Pancreatic Cancer Patients**
Supervisor: Lena Martin, Department of Biosciences and Nutrition, Karolinska Institutet, Torkel Brismar, Department of Clinical Science, Intervention and Technology, Karolinska Institutet.
- 63 Vassiliki Karagianni **Impact of maternal diet on metabolic response in male and female mice offspring**
Supervisor: Marion Korach-André, Department of Medicine, Karolinska Institutet.
- 64 Efthymia Kokkinou **Characterization and development of regulatory T-cells and their tissue-specific receptors in preterm infants**
Supervisor: Eva Sverremark-Ekström, Qazi Khaleda Rahman, Department of Molecular Biosciences, Stockholm University.
- 65 Dorothy Odegi **Eating Style Differences in Breakfast, Lunch and Dinner**
Supervisor: Ioannis Ioakeimidis, Billy Langlet, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet.
- 66 Jessica Petrelius Sipinen **Fruit and vegetable intake in adolescents assessed by Riksmaten Flex- a validation study**
Supervisor: Anna-Karin Lindroos, Risk and Benefit Department, The National Food Agency.
- 67 Maryanne Wamahiu **The contribution of irish potato towards household dietary consumption and food security in Dedza District, Malawi**
Supervisor: Linley Chiwona-Karltun, Department of Urban & Rural Development, Swedish University of Agricultural Sciences, Paul Demo, International Potato Center, Lilongwe Office, Chikondi Chabvuta, Action Aid, Malawi.

- 68 Jutta van Hoof **Framing and construction of childhood obesity in five Swedish newspapers between 1996 and 2014**
Supervisor: Marie Löf, Department of Biosciences and Nutrition, Karolinska Institutet, Shona Hilton, Amy Nimegeer, Social and Public Health Sciences Unit, Glasgow University.
- 69 Hanna Jisser **Physical Activity Promotion in Pre- and Type 2 Diabetes: Effects of Participating in the Sophia Step Study on physical activity, dietary intake, sleep and health-related quality of life**
Supervisor: Unn-Britt Johansson, Jenny Rossen, Department of clinical research and education, Karolinska Institutet.
- 70 Christina Savva **Estrogen Receptor β as key player in lipid metabolism regulation in obesity**
Supervisor: Marion Korach-André, Department of Medicine, Karolinska Institutet.
- 71 Michael Gäfvert **Physical activity and type 2 diabetes mellitus: Can reduced sedentary time and increased moderate to vigorous physical activity improve cardio-metabolic biomarkers**
Supervisor: Maria Hagströmer, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet. Jenny Rossen, Department of Clinical Science and Education, Karolinska Institutet.

Degree projects during autumn semester 2016 – spring 2017

- 72 Tove Sjunnestrand **In the Hunt of a Sustainable Future: a Nutritional Evaluation of Dietary Scenarios Based on the Concept of ‘Ecological Leftovers’ and a Qualitative Analysis of their Acceptability**
Supervisor: Elin Rööös, Department of Energy and Technology, Department of Energy and Technology. Katarina Bälter, Division of Public Health Sciences, Mälardalen University.
- 73 Morten Sjölander **Associations Between Type 2 Diabetes, Elevated Levels of HbA1c and sedentary behavior in Type 2 Diabetes**
Supervisor: Maria Hagströmer, Department of Neurobiology, Karolinska Institutet.
Co-supervisor: Jenny Rossen, Department of Clinical Science and Education, Södersjukhuset

- 74 Mohammed Bajahzer **Ingested Mesoporous Silica and Lipid uptake in the Digestive System**
Supervisor: Tore Bengtsson, Department of Molecular Biosciences, Stockholm University
- 75 Lais Bragagnolo **Can computed tomography scans be used to assess body composition changes in critically ill patients?**
Supervisor: Lena Martin, Department of Biosciences and Nutrition, Karolinska Institutet
Co-supervisors: Torkel Brismar, CLINTEC, Karolinska Institutet. Olav Rooyackers, CLINTEC, Karolinska Institutet. Jan Wernerman, CLINTEC, Karolinska Institutet.
- 76 Raquel Firnkes **Establishing padlock in situ sequencing to study salamander limb development and regeneration**
Supervisors: Ahmed Elewa, Department of Cell and Molecular Biology, Karolinska Institutet. Andras Simon, Department of Cell and Molecular Biology, Karolinska Institutet.
- 77 Mirja-Karin Pettai **Longitudinal change in serum fatty acid composition in an elderly population: Implications for the use of fatty acids as biomarkers of dietary fat quality**
Supervisor: Ulf Risérus, Department of Public Health and Caring Sciences, Clinical Nutrition and Metabolism, Uppsala University.
- 78 Ranim Sabbagh **Effects of post Caesarean analgesia; PCA-morphine combined with TENS and PCA-morphine alone, on maternal hormone levels, breastfeeding initiation and mother-infant bonding**
Supervisor: Eva Nissen, Department of Women and Child Health, Karolinska Institutet.
- 79 Johanna Sandborg **A pilot study investigating the possibility to promote physical activity and fitness in 3 to 5-year old children via a smartphone application in the preschool setting.**
Supervisor: Marie Löf, Department of Biosciences and Nutrition, Karolinska Institutet
Co-supervisors: Anna Ek, postdoc, Department of Biosciences and Nutrition, Karolinska Institutet. Christine Delisle Nyström, Department of Biosciences and Nutrition, Karolinska Institutet

- 80 Leonhard Thunn Hohenstein **Describing Physical Activity Among Health Promotion Intervention Participants with Type 2 Diabetes and Prediabetes**
Supervisor: Maria Hagströmer, Department of Neurobiology, Karolinska Institutet.
Co-supervisor: Jenny Rossen, Department of Clinical Science and Education, Södersjukhuset
- 81 Digidem Özturk **Eating Behavior Characteristics; Deceleration and Bite Size Affect Food Intake During a School Lunch**
Supervisor: Ioannis Ioakeimidis, Division of Applied Neuroendocrinology, Karolinska Institutet.
Co-supervisor: Billy Langlet, Division of Applied Neuroendocrinology, Karolinska Institutet.
- 82 Mariam Hassan **The Prevalence of Malnutrition According to the Latest ESPEN Consensus – Results of a Cohort Study at an Emergency Care Ward in Sweden**
Supervisor: Folke Hammarqvist, CLINTEC, Karolinska Institutet.
Co-supervisor: Lena Martin, Department of Biosciences and Nutrition, Karolinska Institutet.
- 83 Maryam Jabbari **Impact of maternal nutrition on metabolic programming in Male offspring**
Supervisor: Marion Korach-André, Department of medicine, Karolinska institutet.
- 84 Magnus Lindgren **Increased miR-107 expression by endurance exercise training in human skeletal muscle contributes to improved insulin-sensitivity and glucose utilization**
Supervisor: Julie Massart, Department of Molecular Medicine and Surgery, Karolinska Institutet
Co-supervisor: Rasmus Sjögren, Department of Molecular Medicine and Surgery, Karolinska Institutet
- 85 Leila Izadi Dehkordi **Studying of differences in extracellular matrix molecules (particularly laminins) produced in cancer and normal cells**
Supervisor: Roman Zubarev, Department of Medical Biochemistry and Biophysics, Karolinska Institutet.
Co-supervisor: Sergey Rodin, Department of Medical Biochemistry and Biophysics, Karolinska Institutet.

Degree projects during autumn semester 2017 – spring 2018

- 86 Clara Onell **The CLEAR intervention study: Nutritional aspects of a climate-friendly diet**
Supervisor: Katarina Bälter, Division of Public Health Sciences, Mälardalen University.
- 87 Agnieszka Miasko **Intake and assessment of microbiota accessible carbohydrates (MAC) in the diet of Swedish women and men**
Supervisor: Professor Alicja Wolk, Scheelelaboratoriet, Institute of Environmental Medicine (IMM)
- 88 Emmie Söderström **Promoting physical activity through active transportation: preliminary results of The Smart City Active Mobile Phone Intervention (SCAMPI) study. A randomized controlled trial.**
Supervisor: Anna Ek, MD, Karolinska Institutet, Department of Biosciences and Nutrition
Co-supervisors: Marie Löf, Professor and Christina Alexandrou, MSc, Karolinska Institutet, Department of Biosciences and Nutrition
- 89 Ellinor Nilsson **Diet quality and diet-related greenhouse gas emissions of participants in the CLEAR pilot intervention study, assessed with the Sustainable Food Index**
Supervisor: Katarina Bälter, Division of Public Health Sciences, Mälardalen University.
- 90 Jannie Calming **Weight status in 4-year old children is associated with energy intake at 2-years**
Supervisor: Emilia Hagman, PhD, Department of Clinical Science Intervention and Technology, Karolinska Institutet
- 91 Jessie Calming **Associations between birth characteristics and obesity in childhood and adolescence**
Supervisor: Emilia Hagman, PhD, Department of Clinical Science Intervention and Technology, Karolinska Institutet
- 92 Maria Toilou **Postoperative dietary intake and nutritional support among patients undergoing pancreatic surgery**
Supervisor: Lena Martin, PhD, Reg dietitian, Department of Biosciences and Nutrition, Karolinska Institutet

- 93 Diana Jaqueline Torres Aréchiga **Use of a newly developed photo-based method to assess diet of Swedish children living in areas of low socioeconomic position: correlation with two parental proxy questionnaires**
Supervisor: Emma Patterson, PhD
Co-supervisor: Åsa Norman, PhD
Karolinska Institutet / Department of Public Health Sciences
- 94 Martina Petrolo **Early postoperative changes in body composition, biochemical values and muscle function in patients after pancreatic surgery**
Supervisor: Lena Martin, PhD, Reg dietitian.
Department of Biosciences and Nutrition, Karolinska Institutet,
Co-supervisors: Elena Rangelova, MD, Senior Consultant Surgeon. Karolinska University Hospital; Department of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institutet, Folke Hammarqvist, Associate Professor, Karolinska University Hospital; CLINTEC, Karolinska Institutet

Degree projects during autumn semester 2018 – spring 2018

- 95 Martina Torrissen **A study of how the content of omega-3 fatty acids in brain, eye and skin are influenced by different dietary intake of fish oil, and the potential role of omega-3 fatty acids in wound healing**
Supervisor: Bente Ruyter, Senior scientist Nofima, Professor II University of Life Sciences (NMBU).
Co-supervisors: Tone-Kari Østbye, PhD, Senior scientist Nofima. Marta Bou Mira, Post Doc Nofima.
- 96 Anna Dahlgren **Eating behaviour dimensions and associations with total energy intake in Swedish patients with type 2 diabetes mellitus: a cross-sectional study**
Supervisor: Stephanie Bonn, Assistant Professor Department of Medicine, Clinical Epidemiology Division, Karolinska Institutet
Co-supervisor: Ylva Trolle Lagerros, Associate Professor, Department of Medicine, Clinical Epidemiology Division, Karolinska Institutet

- 97 Chrisoula Giannakaki **To what extent does a flexible intervention component reach the ones who need it the most? – Motivational interviewing for promoting child health through parental support.**
Supervisor: Åsa Norman, Med Dr/PhD Karolinska Institutet
- 98 Ella Bäckebyörk: **The role of PCSK9 in lipid metabolism during ageing in PCSK9 knock-out mice**
Supervisors: Sara Straniero, PhD, Department of Medicine, Karolinska Institutet, Karolinska University Hospital, Huddinge, Mats Rudling, MD, PhD, Professor, Department of Medicine, Karolinska Institutet, Karolinska University Hospital, Huddinge
- 99 Evangelos Samakidis **The brown adipose tissue in obese females and males – Effect of estrogen treatment**
Supervisor: Marion Korach-André, PhD, Department of Medicine, MedH, Karolinska Institutet/Karolinska University Hospital Huddinge
Co-supervisor's name, title: Christina Savva, PhD student, Department of Medicine, MedH, Karolinska Institutet/ Karolinska University Hospital Huddinge
- 100 Fredrik Söderlund **Alignment between the New Zealand Health Star Rating nutrition labelling system and the Chilean Warning Label system**
Supervisor: Professor Cliona Ni Mhurchu, National Institute for Health Innovation, Faculty of Medical and Health Sciences, University of Auckland
Co-supervisor: Dr Helen Eyles, National Institute for Health Innovation, Faculty of Medical and Health Sciences, University of Auckland
- 101 Linnea Sjöblom **The association between compliance to the Nordic Nutrition. Recommendations and cardiovascular risk factors among type 2 diabetes patients**
Supervisor: Stephanie Bonn, Assistant Professor Clinical Epidemiology Division, Dept. of Medicine Solna, Karolinska Institutet
Co-supervisor: Med dr. Ylva Trolle Lagerros, Associate Professor, Clinical Epidemiology Division, Dept. of Medicine Solna, Karolinska Institutet

- 102 Marloes Hoogstad **Effects of Interventions with Short-chain Fatty Acids on Behaviour and Cognition in Obese LDLr-/- Leiden Male Mice**
Supervisor: Dr. Amanda J. Kiliaan, Principal Investigator, Associate professor Donders Institute for Brain, Cognition and Behaviour, Radboud University Medical Center - Department of Anatomy
Co-supervisor:
Anouk Tengeler, MSc, Radboud University Medical Center - Department of Anatomy
- 103 Michael Fridén **Associations between Fatty Acids in Serum Cholesterol Esters and Basal Fat Oxidation, Resting Energy Expenditure and Liver Fat Content: a Population Based Study**
Supervisor: Ulf Risérus, MD, Associate Professor Department of Public Health and Caring Sciences, Clinical Nutrition and Metabolism, Uppsala University
- 104 Mikaela Pal **Body size and dietary risk factors for aggressive prostate cancer: a case-control study**
Supervisor: Associate Professor Allison Hodge, Cancer Council Victoria, Cancer Epidemiology Division
- 105 Ndidiamaka Duru **Determinants of blood glucose (haemoglobin A1C) among sedentary office workers and its association with fitness level**
Supervisor: Maria Ekblom, Research director at GIH
- 106 Sebastian Åberg **Wholegrain particle size and glycaemic control in type 2 diabetes: a randomised crossover trial**
Supervisor: Dr Andrew Reynolds, Department of Medicine, Dunedin School of Medicine, University of Otago
Co-supervisor: Professor Jim Mann, Department of Medicine, Dunedin School of Medicine, University of Otago
- 107 Soumaya Engreni **Effects of green smoothies or lutein supplements on plasma carotenoid levels – The Super Green Pilot Study - A pilot study in association with the Division of Cardiovascular Medicine at Linköping University**
Supervisor: Rosanna Chung, Senior Research Engineer Department of Cardiovascular Medicine, Linköping University
Co-supervisor: Lena Jonasson, Professor and Consultant in Cardiology Department of Cardiovascular Medicine, Linköping University

Degree projects during autumn 2019 – spring 2020

- 108 Sarah Lönnström **Carbon footprints of fatty foods in the average Swedish diet: novel analyses of carbon footprint per gram of fat**
Supervisor: Bojana Bajzelj, Postdoc
Department of Energy and Technology, Swedish University of Agricultural Sciences (SLU)
- 109 Fannie Vestermark **Physical activity characteristics of patients with Anorexia Nervosa during the first week of treatment in an inpatient ward**
Supervisor: Billy Langlet, Division of Clinical Geriatrics, Department of Neurobiology, Care Sciences and Society (NVS), Karolinska Institutet
Co-supervisor: Modjtaba Zandian, Division of Clinical Geriatrics, Department of Neurobiology, Care Sciences and Society (NVS), Karolinska Institutet

Degree projects during autumn 2020 – spring 2021

- 110 Johanna Svensson **The Social Benefits of Surplus Food Redistribution from a Dietary Perspective: A Case Study of Food Bag Donations to Vulnerable Groups in Sweden**
Supervisor: Mattias Eriksson, Department of Energy and Technology, Division of Agricultural Engineering, Swedish University of Agricultural Sciences (SLU)
Co-supervisor: Niina Sundin, Doctoral student, Department of Energy and Technology, Division of Agricultural Engineering, Swedish University of Agricultural Sciences (SLU)
- 111 Mirja-Karin Pettai **Longitudinal change in serum fatty acid composition in an elderly population: Implications for the use of fatty acids as biomarkers of dietary fat quality**
Supervisor: Ulf Risérus, MD, Associate Professor
Department of Public Health and Caring Sciences, Clinical Nutrition and Metabolism, Uppsala University
- 112 Kidestyesus Asnake **Associations among children's vegetable and soft drinks intake with parenting practices and characteristics**
Supervisor: Emma Patterson, PhD, Department of Public Health Sciences, Karolinska Institutet
Co-Supervisor: Åsa Norman, MD, PhD, Karolinska Institutet

113 Myung Jin Jung

Association between n-3 Polyunsaturated Fatty Acid and Depression in Korean Adults: Results from the Korea National Health and Nutrition Examination Survey in 2014, 2016, 2018

Supervisor: Rina Yu, PhD, Professor, Department of Food Science and Nutrition, University of Ulsan