



## **Degree projects (30, 45 and 60 credits) (Programme: 4NT22)**

### Degree Projects 30 credits

1. Julia Backman      **“Targeting GLS Attenuates Inflammation in White Adipose Tissue”** 30 credits      HT23  
Supervisor: Lynn Alaeddine, postdoctoral researcher, Department of Medicine, Karolinska Institutet
2. Freja Stenbeck      **“Adherence to a smartphone-based dietary education among persons with type 2 diabetes”** 30 credits      HT23  
Supervisor: Stephanie Bonn, PhD, Docent, Department of Medicine, Solna, Clinical Epidemiology Division, Karolinska Institutet
3. Margaux Balduck      **“The effect of vulvovaginal candidiasis on the vaginal mucosal epithelium – a stable epithelial integrity and local immune environment”** 30 credits      VT24  
Supervisor: Kristina Broliden, Professor, MD, Department of Medicine, Solna, Division of Infectious Diseases, Karolinska Institutet
4. Noemi Bolzonella      **“Associations Between Added Sugar Intake and Cardiometabolic Risk Markers in a cross-sectional study of 10,357 Swedish participants”** 30 credits      VT24  
Supervisor: Emily Sonestedt, Associate professor, Senior lecturer, Nutrition Epidemiology, Department of Clinical Sciences Malmö, Lund University
5. Valeria Cecchini      **“The effect of an mHealth dietary intervention on ultra-processed food consumption in patients with type 2 diabetes: A randomised clinical trial”** 30 credits      VT24  
Supervisor: Stephanie Bonn, Senior Research Specialist, Docent, Clinical Epidemiology Division, Department of Medicine, Solna, Karolinska Institutet
6. Raphaela Preza da Silveira Costa      **” Influence of three different classes of algae on gut microbiota, a systematic review”** 30 credits      VT24  
Supervisors: Stefania Giacomelo and Francisco Javier Vilaplana, KTH

## Degree Projects 45 credits

1. Karolina Barton      **“Clinical outcomes of patients with SIBO and adherence to the carnivore diet: An analysis from a functional medicine perspective”** 45 credits      23-24  
Supervisor: Peter Martin - MD, PhD, Founder & CEO of Funmed Clinics
2. Gerasimos Mavrogiannakis      **“Validation of Food-sourced Compounds for Mitigating Hallmarks of Aging”** 45 credits      23-24  
Supervisor: Hazel Xiaohui Ang, Post-doctoral researcher, Department of Biosciences and Nutrition, Karolinska Institutet

## Degree Projects 60 credits

1. Amanda Ahlberg      **“Targeting metabolic vulnerabilities of senescent cells”** 60 credits      23-24  
Supervisor: Federico Pietrocola, Principal Researcher, Department of Cell and Molecular Biology, Karolinska Institutet
2. Neda Alizadeh-Khameneh      **“Influence of the environment on the polar metabolites of brewed coffee over time”** 60 credits      23-24  
Supervisor: Antonio Checa, PhD, Senior Research Infrastructure Specialist, Institute of Environmental Medicine, Karolinska Institutet
3. Julia Balewska      **“Unraveling the dynamic developmental trajectory of human myeloid cells in homeostasis and during NAFLD progression”** 60 credits      23-24  
Supervisor: Ping Chen, Dr., Assistant Professor, Division of Clinical Chemistry, Department of Laboratory Medicine, Karolinska Institutet
5. Gabriela Ciobotaru      **“Towards a food ingredient clinically proven to benefit gut health: Novel Rhamnogalacturonan I variants”** 60 credits      23-24  
Supervisor: Ignacio Rangel, School of Medical Sciences, Örebro University
7. Jia Hui Ding      **“Spinal Cord Injury and Metabolic Disease: Determining the Role of Inflammatory Cytokines”** 60 credits      23-24  
Supervisor: Laurie J. Goodyear, Ph.D., Roeland Middelbeek, M.D, Section on Integrative Physiology and Metabolism, Joslin Diabetes Center, Harvard Medical School
8. Hurriem Hussain      **“Influence of the environment in the phenolic profile of brewed coffee over time”** 60 credits      23-24  
Supervisor: Antonio Checa, PhD, Senior Research Infrastructure Specialist, Institute of Environmental Medicine, Karolinska Institutet

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| 9.  | Tade Adekunle<br>Idowu    | <p><b>“Loss of Zfp697 expression in mice causes a sexual dimorphic phenotype in response to diet-induced obesity”</b> 60 credits</p> <p><u>Supervisor:</u> Jorge L. Ruas, Department of Physiology and Pharmacology, Karolinska Institutet and Department of Pharmacology and Stanley and Judith Frankel Institute for Heart &amp; Brain Health, University of Michigan Medical School, USA</p>   | 23-24 |
| 10. | Radhika Devidas<br>Jadhav | <p><b>“Association of fat mass percentage with asthma outcomes”</b> 60 credits</p> <p><u>Supervisor:</u> Hannu Kankaanranta, Professor, Department of Internal Medicine and Clinical Nutrition, Krefting Research Centre, Gothenburg University</p>   | 23-24 |
| 11. | Aurora Emilia<br>Kärhä    | <p><b>“Effect of dasatinib and quercetin on mature adipocyte SASP, and adipocyte SASP effect on triple-negative breast cancer cell line MDA-MB-231 in obesity”</b> 60 credits</p> <p><u>Supervisor:</u> Esther Wan, PhD, Department of Cell and Molecular Biology, Karolinska Institutet</p>  | 23-24 |
| 12. | Dimitra Loulaki           | <p><b>“Fecal Carbon-To-Nitrogen Ratio and Links to Diet and Gut Microbial Metabolism”</b> 60 credits</p> <p><u>Supervisor:</u> Henrik Roager, Associate Professor, Department of Nutrition, Exercise and Sports, University of Copenhagen</p>   | 23-24 |
| 13. | Martina Pensa             | <p><b>“Association between antioxidant vitamin intake and mental health in Swedish adolescents”</b> 60 credits</p> <p><u>Supervisor:</u> Björg Helgadóttir, The Swedish School of Health and Sport Sciences</p>   | 23-24 |
| 14. | Choo Wen Rui              | <p><b>“Parents’ Food Literacy, Perceived Barriers and Enablers, and Healthy-eating Attitude Associated with Children’s Adherence to the Mediterranean Diet: The DELICIOUS Project”</b> 60 credits</p> <p><u>Supervisor:</u> Giuseppe Grosso, University of Catania, Italy</p>   | 23-24 |
| 15. | Alessandra Siclari        | <p><b>“High-carbohydrate low-fat and high-fat low-carbohydrate energy-restricted diets combined with exercise training: effects on gastrointestinal appetite hormones, subjective appetite, body composition and energy intake in women with overweight and obesity”</b> 60 credits</p> <p><u>Supervisor:</u> Dr. Dalia Malkova, School of Medicine, Dentistry and Nursing, College of Medical, Veterinary and Life Sciences, University of Glasgow</p> | 23-24 |
| 16. | Zuzanna Sobańska          | <p><b>“Dietary intake and cognition in prodromal Alzheimer’s Disease patients in a multidomain lifestyle intervention”</b> 60 credits</p> <p><u>Supervisor:</u> Shireen Sindi, PhD, Assistant Professor, Department of Neurobiology, Care Sciences and Society, Division of Clinical Geriatrics, Karolinska Institutet</p>  | 23-24 |
| 17. | Livia Zhou                | <p><b>“Establishment of microvascular endothelial cell assay for the identification of novel insulin sensitizers”</b> 60 credits</p> <p><u>Supervisor:</u> Yuanyuan Wu, Ph.D., Principal Scientist, Department of Discovery In Vitro Biology, Novo Nordisk, China</p>   | 23-24 |

18. Siqi Chang                    **“The Role of Tryptophan Metabolism in Regulating Circadian Rhythms”** 60 credits                    23-24  
Supervisor: Paul Petrus, PhD, Department of Medicine, Huddinge, Karolinska Institutet
19. Cecília Oliveira            **“Co-design of a mobile health intervention for management of hypertension in Australian adults”** 60 credits                    23-24  
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Supervisor: Ralph Madison, Professor, School of Exercise & Nutrition Sciences – Deakin University