

PhD Project Description

School/Department:	Department of Epidemiology, Erasmus MC
Supervisor information:	<ul style="list-style-type: none"> • Dr.ir. Trudy Voortman <i>Principal investigator Nutrition & Lifestyle Epidemiology, Life-course epidemiology</i> • Email: trudy.voortman@erasmusmc.nl • Website: www.erasmusmc.nl/en/research/groups/nutrition-and-lifestyle-epidemiology ; www.trudyvoortman.com • Personal honors and grants: <ul style="list-style-type: none"> - European Society for Clinical Nutrition and Metabolism (ESPEN) Fellowship 2020 - American Society for Nutrition – Peter Reed Award for outstanding research in macronutrient metabolism, 2018 - Thrasher Pediatric Medical Research Career Award, USA, 2016 - European Foundation for the Study of Diabetes Fellowship, 2015 - Selected member of the European Nutrition Leadership Platform (ENLP), 2015-present • Most important publications: Dr. Voortman has published over 100 international publications, of which more than 60 publications as direct supervisor of the researchers in her team. Most PhD students in our team write 5 to 8 publications as first author within their PhD project and contribute to additional papers as coauthor. All publications in our team have been published in journals in the top quartile of their field and more than half have been published in top-10% journals. Recent publications: <ul style="list-style-type: none"> - BMJ-British Medical Journal 2017;356:j1000. Dairy consumption and risk of hypertension. - Lancet 2018;391(10129):1513-23. Risk thresholds for alcohol consumption. - The Lancet Diabetes & Endocrinology 2017;5(5):367-76. Vitamin D in pregnancy and child bone health - Gastroenterology 2018; doi:10.1053/j.gastro.2018.02.024. Diet in early life and celiac disease - Nature Medicine 2019; doi: 10.1038/s41591-019-0547-7. Lifestyle and dementia risk. - BMJ, 2019. doi: 10.1136/bmj.l4292. Dietary fat and genetic risk of type 2 diabetes. - Nature, 2020 doi: 10.1038/s41586-020-2338-1. Global repositioning of non-optimal cholesterol. - Clinical Nutrition, 2020 doi: 10.1016/j.clnu.2019.01.021. Protein intake and diabetes risk (CSC project) - Circulation Genom Precis Med. 2020 doi:10.1161/CIRCGEN.119.002766. Diet and DNA methylation
Project Title:	Nutrition and Lifestyle and cardiometabolic health across the life course: a focus on underlying pathways and mechanisms
Abstract:	<p>Nutrition and lifestyle affect health throughout the life course: from pregnancy and infancy to old age. In our research group, we study nutrition and other lifestyle factors in pregnant women, children, adults and elderly; and how diet and lifestyle impact health in these groups. In these projects, we also focus on underlying mechanisms of how nutrition affects disease risk, including e.g. inflammation, metabolomics, DNA methylation, and gut microbiome composition.</p> <p>The studies are performed within the Nutrition & Lifestyle research group at the Department of Epidemiology, one of the world leading academic centers in epidemiology. The candidate can use data from large cohort studies available at the department and through collaborations in consortia. Studies at the department for example include the Rotterdam Study, a population based study among 15,000 people followed since 1990 and the Generation R Study, a birth cohort study in 10,000 mothers and their children. Our Nutrition & Lifestyle team closely collaborates with other research lines at Erasmus MC and other institutes across Europe and the United States, including the departments of Nutrition at Harvard School of Public Health, Wageningen University, Cambridge University, Tufts University.</p> <p>For more information about our team and department, please check our webpages: www.erasmusmc.nl/en/research/groups/nutrition-and-lifestyle-epidemiology and https://www.erasmusmc.nl/en/research/departments/epidemiology</p>
Requirements of candidate:	<ul style="list-style-type: none"> • We are looking for a highly motivated student to join our very international and multidisciplinary team. For these projects, using large datasets and in collaborations with various other research groups, strong statistical and good communication skills are required. • The candidate should have an MD or MSc degree in Health Sciences, Epidemiology, Biostatistics, Nutrition Science, or a related field, and should be fluent in English (IELTS≥7.0 (≥ 6.0 for all subs), TOEFL ≥100 (≥ 20 for all subs)).

Erasmus MC, ranked world no. 32 for [Clinical Medicine US News 2020](#) no. 30 [Nature Index for Biomedical Sciences 2019](#)

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| | <ul style="list-style-type: none">• We offer: Supervision by at least two supervisors, data access to cohort studies, advanced courses in epidemiology at our postgraduate research school NIHES, and other training. Your salary and living expenses should be covered by the scholarship. We are happy to discuss the details further with you directly and help with the scientific part of your proposal. Please contact dr. Trudy Voortman at trudy.voortman@erasmus.nl |
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Application requirements & Deadlines:

<https://www.eur.nl/en/about-eur/erasmus-university-china-centre/csc-scholarship>

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* No.32 for *Clinical Medicine US News 2020*:

<https://www.usnews.com/education/best-global-universities/clinical-medicine?page=3>

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<https://www.natureindex.com/supplements/nature-index-2019-biomedical-sciences/tables/healthcare>