The Gut Microbiome in Aging and Cardiometabolic Health

From Discovery to Translation

Microbiome Health

19 November 2026

10:00-10:20 — **Opening** (Chair: Prof. J. Fu)

Welcome speech
Prof. Cisca Wijmenga, Lodewijk Sandkuijl Distinguished Professor, Former Rector of University of Groningen

Welcome speech
Prof. Folkert Kuipers, Scientific Director of European Research Institute for the Biology of Ageing (ERIBA)

10:20-12:10 — **Microbiome in cardiometabolic health** (Chair: Prof. J. Fu)

10:20-10:50 DHF lecture Invited speaker
The Women4Health study: a multi-omics approach to understand the role of microbiome in women's cardio-metabolism
Dr. Serena Sanna, Institute of Genetics and Biomedical Research, Italy

10:50-11:05
Multiscale decoding of the gut microbiome in cardiovascular-kidney-metabolic health
Dr. Daoming Wang, Department of Genetics, UMCG

11:05-11:20
Low dietary fiber alleviates bile acid-induced cholangiopathy through microbiota-dervied ursodeoxycholic acid
Wengqiang Shen, Department of Pediatrics, UMCG

11:20-11:35
Mapping host-microbiome immune interactions through massively parallel serology
Dr. Arno Bourgonje, Department of Gastroenterology and Hepatology, UMCG

11:35-12:05 Novogene lecture Invited speaker
Translational microbiome in cardiometabolic disorders
Prof. Max Nieuwdorp, Amsterdam University Medical Center, Netherlands

12:10-14:00 — Lunch break and poster session

14:00-15:30 — **Microbiome in aging: from early life to elderly** (Chair: Prof. F. Kuipers)

14:00-14:20
Microbiome development during pregnancy and early life
Prof. Sasha Zhernakova, Scientific Director of LifeLines-NEXT study, Department of Genetics, UMCG

14:20-14:40
The gut-brain axis of aging, lessons from worms
Dr. Maria Eugenia Goya / Prof. Ellen Nollen, European Research Institute for the Biology of Ageing (ERIBA)

14:40-14:55
A gene-centric view of aging buffering in the gut microbiome
Qiang Zhao, Department of Genetics, UMCG

14:55-15:25 ERC-featured lecture Invited speaker
Metabolic modeling of host-microbiome-interactions in health and disease
Prof. Christoph Kaleta, Kiel University and University Hospital Schleswig-Holstein, Germany

15:30-16:00 — Coffee break

16:00-17:00 — **Keynote** (Chair: Dr. D. Koonen)

Precision/MoHAD Invited speaker
Two billion spectra, one question: AI and data science decode what the microbiome is doing to our molecules
Prof. Pieter Dorrestein, University of California, USA

17:00 — **Closing and borrel**
Prof. Jingyuan Fu, Departments of Genetics/Pediatrics, UMCG



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Financial Support and Sponsors
UMCG erc NWO Novogene Hartstichting