

We would like to invite you to the **4th UMCG Microbiome symposium** on the **26th of March 2020** organized by the Groningen Institute of Gastrointestinal Genetics en Immunology (3GI).

The interaction of the human host with the trillions of bacteria, viruses and fungi that inhabit our body, and the role of microbiome in diseases and metabolism is the subject of intense research and the field is moving very fast. This free half day symposium is intended for researchers, clinicians and other health care professionals with an interest in the microbiome. It will bring you state of the art lectures and new research results.

We will present the first data of the gut microbiome of 10,000 LifeLines participants - *the Dutch Microbiome Project-* and the parent-baby cohort LifeLines NEXT

In addition there will be presentation on exciting topics like:

- The gut virome in relation to diet
- The gut metabolome in patients with inflammatory bowel disease
- Stability and changes in the gut microbiome during long term follow up
- Modulation of microbiota by specific type of pectins
- Understanding the role of Chromogranin A on gastrointestinal function.
- Analysis of microbiota in relation to diseases (Parkinson disease, colorectal cancer, organ transplantation)
- How to model and study the microbiome in a gut-on-a-chip model

The day will end with a lecture of Professor Moran Yassour from the Hebrew University of Jerusalem, Israel, on the influence of delivery mode on the gut colonization of newborns.

Date: March 26th 2020
Location: Seminar Room Eriba; 3rd floor
Time: 12.00-17.00
Entrance: Free
Registration: no registration is needed
Coffee and tea during the breaks, and drinks afterwards will be provided.
A detailed agenda will follow.

We hope to see many of you on the 26th of March.

Best regards,

Sasha Zhernakova, dept of Genetics, UMCG
Rinse Weersma, dept of Gastroenterology and Hepatology, UMCG