

## The Gut Microbiota For Health Newsletter #23 January 23, 2014

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### Edito

Dear Friends,

In this week's edition of our newsletter, we would like to remind you of the upcoming Gut Microbiota for Health World Summit, which will take place in Miami (8-9 March, 2014). This third edition is hosted by the Gut Microbiota & Health Section of the European Society of Neurogastroenterology and Motility (ESNM) and the AGA Institute, with the support of Danone. You can already check a rich dedicated website with information on the program, speakers, logistics. Our team will cover the event on the web and hopes to meet you there! On the research side, we have been blessed with a contribution from our expert in Digestive Health, Professor Philippe Marteau, on the Machiels *et al.* paper published in Gut last September. The researchers examined the composition of the faecal microbiota of patients suffering from ulcerative colitis and that of healthy individuals. And they found a reduction in *Roseburia hominis* and *Faecalibacterium prausnitzii*, both well-known butyrate-producing bacteria of the *Firmicutes* phylum. We also wish to put forward an article by Ringel-Kulka *et al.* published in PLOS One, where researchers examine the composition of early life gut microbiota and try to define the point in time where adult composition is reached. Finally we have also published a video and article about Professor Jeffrey Gordon's last study, in which his team investigates the links between diet, gut microbiota and obesity.

Visit [gutmicrobiotaforhealth.com](http://gutmicrobiotaforhealth.com) and share your thoughts, comments and references with us.

Written by Y. WINOGRADSKY

### The upcoming GMFH 2014: last chance to register!

**Gut Microbiota for Health World Summit 2014  
to be held in Miami on March 8-9**

Scientists and clinicians will examine the latest research in the role human gut microbes play in digestive and overall health. For further information on the summit programme, please refer to the following website:

<http://summit-registration.gutmicrobiotaforhealth.com>

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Written by Y. WINOGRADSKY

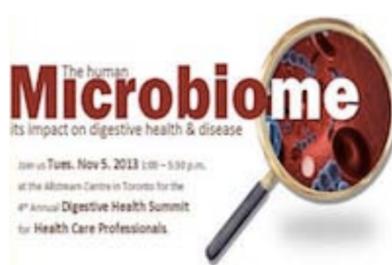


### The human microbiome and its impact on digestive health and disease

The Canadian Digestive Health Foundation organized the 4th annual Digestive Health Summit for Healthcare Professionals that took place on Tuesday 5th November, 2013 in Toronto at the Allstream Center.

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Written by Y. WINOGRADSKY

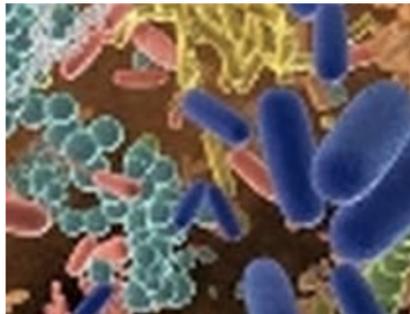


### [Save the date] Exploring human host-microbiome interactions in health and disease

The Wellcome Trust Institute's advanced course and scientific conferences is hosting an event dedicated to the human microbiome on the 14-16 April, 2014, at the Wellcome Trust Genome Campus, Hinxton, Cambridge UK.

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Selected by Y. WINOGRADSKY



### A decrease of the butyrate-producing species *Roseburia hominis* and *Faecalibacterium prausnitzii* defines dysbiosis in patients with ulcerative colitis

Machiels *et al.* recently described that the composition of the faecal microbiota of patients suffering from ulcerative colitis differs from that of healthy individuals: they found a reduction in two well-known butyrate-producing bacteria of the *Firmicutes* phylum *Roseburia hominis* and *Faecalibacterium prausnitzii*. This has been confirmed in other studies. The dysbiosis found in the two inflammatory bowel diseases (IBD) i.e. Crohn's disease and ulcerative colitis share common characteristics but also specificities.

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Written by P. MARTEAU



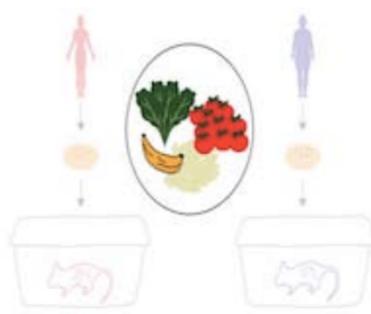
### Gut microbes, diet and obesity linked

Seen on [Washington Magazine](#)

A new study by researchers in the School of Medicine is helping to illuminate how diet and gut microbes interact to affect weight gain. Microbes of the gut number in the trillions, vary substantially from person to person, and help break down food and synthesize nutrients and vitamins from our diets.

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Selected by Y. WINOGRADSKY



### Intestinal microbiota in healthy U.S. young children and adults. A high throughput microarray analysis

Seen on [PLOS ONE](#)

It is generally believed that the infant's microbiota is established during the first 1-2 years of life. However, there is scarce data on its characterization and its comparison to the adult-like microbiota in consecutive years.

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Selected by Y. WINOGRADSKY

