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Newsletter #77

March 10th, 2016



Edito

Dear Friends,

We're happy to report that last weekend we wrapped up a very successful 2016 Gut Microbiota for Health World Summit! Over 265 participants from 30 countries gathered in Miami (USA) to hear presentations from some of the leading researchers in the field, on hot topics ranging from diet to pregnancy to permanent remodeling of the gut microbiota. In this newsletter, we share with you our summit 'media kit', which includes video interviews, fact sheets, and replays of some of the plenary sessions. You can also search the Twitter hashtag #GMFH2016 for highlights.

This newsletter also brings you a recent literature selection on how the gut microbiota may be useful for helping identify those with gout, and an article covering two recently published studies that examined the use of probiotics for those who undergo surgery for colorectal cancer.

From time to time, scientists need to take a critical look at their most basic assumptions. This happened recently when Sender, Fuchs, and Milo published a paper re-examining the commonly cited estimate that, in our bodies, human cells are outnumbered by bacterial cells 10:1. We bring you a short article covering their BioRxiv paper and the authors' call for revitalizing attempts to quantify the number of human and bacterial cells in the body.

The GMFH publishing team

Media Center

The Fifth Gut Microbiota for Health Summit
– Miami, March 5-6, 2016 –

[Fact Sheets](#)

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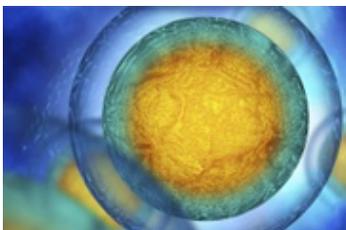
[The Gut Microbiota Quiz](#)



Gut microbiota may be useful for identifying individuals with gout

A recent study, led by Dr Heping Zhang from the Key Laboratory of Dairy Biotechnology and Bioengineering in China, has reported that early detection of gout may be possible through a diagnosis model that uses gout-associated bacteria.

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1:1 is new estimated ratio of bacterial to human cells

The estimation that bacterial cells in and on the body outnumber human cells by a ratio of ten to one has been widely cited in both popular media articles and scientific literature. Recently, three scientists from Israel and Canada took it upon themselves to critically examine where this estimate came from and whether it holds true.

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The influence of fungal microbiota and iron therapies in inflammatory bowel disease's gut environment

The occurrence of inflammatory bowel disease (IBD) -ulcerative



colitis (UC) and Crohn's disease (CD)- is increasing worldwide, yet the reasons remain unknown. It is characterized by the perpetuation of intestinal inflammation, and intestinal dysbiosis and decreased complexity of the gut microbiota ecosystem may contribute to this.

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Perioperative probiotic intervention may benefit individuals undergoing surgery for colorectal cancer

When patients undergo surgery for colorectal cancer (CRC), can probiotics help recover bowel functions, or even prevent postoperative infections and complications?

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