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**Newsletter #102**

March 23th, 2017



## Editorial

Dear Friends,

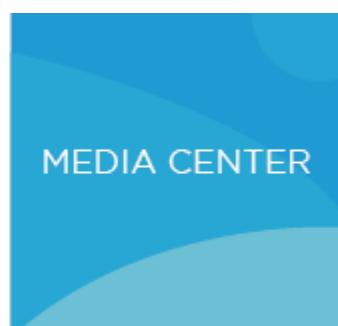
In this edition of the newsletter we direct you to our Media Center section, where you can find all the materials related to the GMFH Summit 2017: press release, infographics, sessions replay... We also present you the new "best of" document -- this time on the topic of short-chain fatty acids (SCFAs) and health! It features an editorial by Hervé M. Blottière -- Director of Research at MICALIS Institute at INRA (France) and Scientific Director at MetagenoPolis -- followed by a selection of recent GMFH blog articles on SCFAs as key gut microbial metabolites.

We begin the literature selections from our blog this week with a study on butyrate for the restoration of the intestinal environment in a mouse model of amyotrophic lateral sclerosis. Two clinical studies are included as well: first, new work that found a group of bacterial taxa that seem to comprise a gut microbial signature of Crohn's disease; and second, a study on how a fermented milk with multiple probiotic strains plus a prebiotic fibre improved constipation in those with Parkinson's Disease. Then, we wrap up this edition of our newsletter with an intriguing exploration of how periodontal pathobionts could factor into systemic diseases.

The GMFH publishing team

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## GMFH Media Center section



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**New GMFH "best of" document on short-chain fatty acids & health**

# SHORT CHAIN FATTY ACIDS

A selection of content from the Gut Microbiota for Health 2016

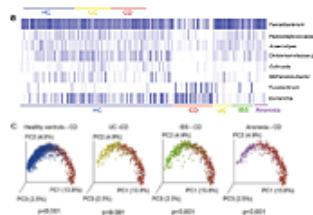
March 2017



## Butyrate restores intestinal environment and prolongs life span in a mouse model of amyotrophic lateral sclerosis

A recent study led by Dr. Jun Sun (Department of Medicine, University of Illinois, Chicago, USA) has found that butyrate, a bacterial metabolic by-product, may normalize the intestinal environment, including gut microbiota composition, and increase...

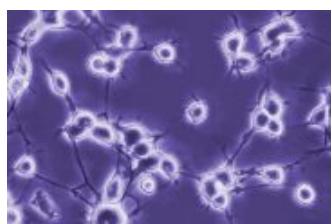
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## A new study has identified a gut microbial signature for Crohn's disease that could avoid invasive diagnostic testing

Gut microbiome in Crohn's disease (CD) and ulcerative colitis (UC), the two main forms of inflammatory bowel disease (IBD), has been previously shown to have a reduced microbial diversity and may play a role in...

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## A fermented milk containing probiotics and a prebiotic fibre may be effective for targeting constipation in patients with Parkinson's disease

Recent research has shown the presence of gut dysbiosis related to a shift in short-chain fatty acids in patients with Parkinson's disease (PD). Besides this, constipation is a major nonmotor feature of PD and little...

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## Review examines the role of oral pathobionts in systemic diseases

The oral microbiome begins developing within a few minutes after birth and some recent research is investigating the role of oral bacterial communities, not only as a potential target for antibiotics in oral diseases (like...)

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