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**Newsletter #94** 

November 24th, 2016









#### **Edito**

Dear Friends,

The GMFH team is pleased to let you know the 6th Gut Microbiota for Health World Summit is set for March 11th and 12th, 2017, in Paris. While the planning committee works on developing a one-of-akind program behind the scenes, they have issued the call for abstracts -- please consider submitting your work! Meanwhile, in this newsletter you can check out a report from last year's Gut Summit, focusing on the potential of gut microbiota to be used as a biomarker for various conditions.

This week's literature picks include a new study of the gut microbiota of long-lived Chinese individuals, a paper on the gut microbiota and microbial metabolites of obese and lean adolescents, and a worm experiment showing *Enterococcus faecium* can improve intestinal barrier function and enhance pathogen tolerance. And finally -- if you're in the mood for a fun scientific distraction, see our review of *Gut Check: The Microbiome Game*, created by UC Davis scientist David Coil!

The GMFH publishing team

### 4 months to go for Gut Microbiota for Health World Summit 2017: call for abstracts is now open!



SAVE THE DATE

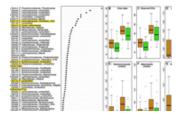
Saturday March 11 and Sunday March 12, 2017

Paris, Le Méridien Étoile Hotel

2-days of plenary sessions and workshops 300 attendees, 30 geographies

Report from the Gut Microbiota for Health World Summit 2016

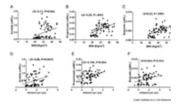




### A new study of Chinese long-lived individuals identifies gut microbial signatures of healthy aging

The study of long-lived individuals has been suggested as a way to reveal the relationship between gut microbiota and healthy aging. A previous study characterized the gut microbiota of Italian long-lived populations and found that...

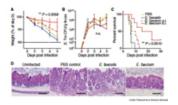
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# The role of gut microbiota composition and microbial metabolites in fat partitioning and carbohydrate metabolism in youth

A previous study by Reijnders et al. has added to the body of research calling into question some direct and simple associations found between the gut microbiota and metabolic disorders. Now a recent study, led by...

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## A commensal bacterium can be used to improve host intestinal barrier function and limit pathogenesis of enteric infections

In addition to playing a crucial role in physiological processes such as digestion of food and vitamin synthesis, the commensal gut microbiota may modulate host susceptibility to enteric pathogens. However, the specific mechanisms by which...

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#### Scientists get a gut check with new microbiome board game

This fall, a new diversion emerged for a certain scientific set—those for whom Prevotella melaninogenica rolls easily off the tongue. Appearing as the after-hours entertainment at Lake Arrowhead Microbial Genomics 2016, and other conferences focused...

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