

View this email in your browser



THE PLACE FOR SCIENTIFIC DEBATE

The Gut Microbiota For Health Newsletter **#57**

May 14, 2015

Join us



Edito

Dear Friends,

The microbiota's relationship to the circadian clock is a topic of increasing interest. In this newsletter, we are pleased to bring you an article on the ways in which the immune system is linked to the circadian clock through the gut microbiota.

We also highlight a review from GMFH board of experts member Lena Öhman on how it might be possible to define mechanistic subgroups of irritable bowel syndrome. We summarize recent work from Maria Gloria Dominguez Bello on the unprecedented levels of microbial diversity in an isolated Amazon population.

In this newsletter, we also would like to draw your attention to the ASN microbiome webinars and to the Fourth International Symposium on Human Gut Microbiota in Health and Disease that will take place in Mexico City, May 29th and 30th, 2015.

Don't forget, we post up to 20 more microbiota papers per week on our Twitter feed! Follow us at @gmfx to stay up to date.

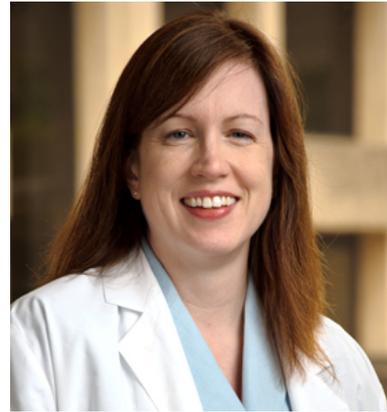
The GMFH publishing team

How is the Immune System linked to the Circadian Clock?

Dr. Lora Hooper, a professor at the University of Texas Southwestern Medical Center and an investigator at the Howard Hughes Medical Institute, is investigating the relationship between the immune system and the circadian system in the gut.

The microbiome researcher was recently elected to the National Academy of Sciences in the US.

GMFH editors interviewed her about one of her ongoing topics of study.



[Read more](#)

Written by K. Campbell



Irritable Bowel Syndrome: Toward Mechanistic Subgroups

Recently, an (open-access) article co-authored with colleagues Hans Törnblom & Magnus Simrén appeared in *Nature Reviews Gastroenterology and Hepatology* – Crosstalk at the mucosal border: importance of the gut microenvironment in IBS. This review addresses the complex pathophysiology of irritable bowel syndrome (IBS).



We discuss four factors that may be involved:

- Gut microbiota composition
- Increased intestinal permeability
- Imbalance in the enteroendocrine system
- Perturbed immune system in the gut

The review makes a case that crosstalk locally at gut mucosal border might be important in how these four factors contribute to IBS symptoms.

[Read more](#)

Written by L. Öhman



The Microbiome of an Isolated Amazon Population

An article published in Science Advances studied the microbiome of Yanomami subjects in the Amazon with no previous record of contact with non-Yanomami – the most isolated community ever explored in the microbiome literature.

Researchers sampled the oral cavity, forearm skin, and feces from 34 Yanomami villagers.

Overall, they found that the microbiome had the highest diversity ever reported in a human group.



[Read more](#)

Written by K. Campbell



Share



Tweet



+1



Forward

The ASN Microbiome Webinar Series

The American Society for Nutrition's (ASN) Nutritional Sciences Council is organizing a series of webinars to describe the different approaches used to characterize the human microbiome, review current knowledge about gastrointestinal (GI) microbiota and obesity, and discuss the interactive role of GI microbiota and nutrition in chronic health and disease.

[Read More](#)

Written by P.Y. Arnoux



American
Society for
Nutrition

www.nutrition.org



Share



Tweet



+1



Forward

Fourth International Symposium on Human Gut Microbiota in Health and Disease in Mexico City

2015 marks the fourth consecutive year that the “International Symposium on Human Gut Microbiota in Health and Disease” will take place in vibrant Mexico City, May 29th and 30th, 2015.

This meeting is endorsed by the National Institute of Medical Sciences and Nutrition, The Mexican Gastroenterology Association, The Mexican Association of Nutrition, and The Mexican College of Nutritionists, with the support of Danone Institute.



[Read more](#)

Written by MA. Valdovinos



Share



Tweet



+1



Forward

The Best of the Gut Summit is Online!



**THE GUT SUMMIT
MEDIA ROOM**



**THE GUT SUMMIT
REPLAY**

The Gut Microbiota For Health Experts Exchange is a medium to share news, innovation and information between experts on the topics of Gut Microbiota for Health.

[unsubscribe from this list](#)