



The place for scientific debate

The Gut Microbiota For Health Newsletter #22 January 9, 2014

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Edito

Dear Friends,

First of all we wish you all the best for 2014. May it bring you luck, success and health. As for us, we will do our best to keep you updated with the latest on gut microbiota and its different implications in our health and well-being.

In this week's edition of the newsletter, we offer some fresh selections from our new content and wish to once again put forward our document "GMFH, a year at a glance forward" for it correctly sums up key achievements of the past year. Among the new topics, we would like to promote a young researcher and the research she has done on the importance of intestinal host microbiota homeostasis. We hope this interview and the references attached to it to be a precedent for further possibilities to highlight the work of young researchers in the field of gut microbiota. We have also published a topic on the recent Reyes et al. paper about phages that was published in PNAS. In the recently published content on gutmicrobiotaforhealth.com, you will also find new references concerning the impact of diet on our gut microbiota. Finally in the Media Room, we have added the references for an upcoming event on Probiotics.

Visit gutmicrobiotaforhealth.com and share your thoughts, comments and references with us.

Written by Dr. Joël Doré

GMFH: one year at a glance

One year at a glance is the compilation of the most relevant and popular content on gut microbiota as published on the GMFH website.

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Written by Y. WINOGRADSKY

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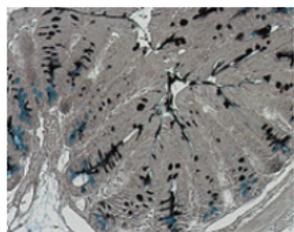
Interview of Sahar El Aidy: the importance of intestinal host microbiota homeostasis

Sahar El Aidy presented us her recent work about mice colonization as a model to study host-microbial homeostasis dynamics. This work was done under the supervision of Michiel Kleerebezem at Wageningen University (the Netherlands).

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Written by J. TAP

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Transient inflammatory-like state and microbial dysbiosis are pivotal in establishment of mucosal homeostasis during colonisation of germ-free mice

Seen on [NCBI](#)

The gut microbiota is increasingly recognized as a key-player in defining the health status of the gastrointestinal tract. This study showed that the transiently elevated relative overgrowth of particular microbial genera functions as pivotal adjuvants to elicit the corresponding proinflammatory cascades. These precede the full maturation of the different arms of the immune system following these events and are required to achieve a microbiota-accommodating homeostasis in healthy animals.

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Selected by J. TAP

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Gut microbiota under phage attacks

The gut mobile metagenome comprises mobile genetic element (MGE) like bacterial viruses, known as bacteriophages. Although a few studies showed that there is high interpersonal variation, little is known about how the gut microbiota react under phage attacks itself.

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Written by J. TAP

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Gut microbiota: please pass the microbes

Seen on [Nature](#)

Living and working among Tanzania's Hadzabe people — one of the world's last remaining hunter-gatherer groups — Jeff Leach witnessed the extraordinarily intimate relationship they share with microbes in their environment.

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Diet rapidly and reproducibly alters the human gut microbiome

Seen on [Harvard University](#)

This study based on 10 subjects showed that diet could impact rapidly the microbiota. Microbial activity mirrored differences between herbivorous and carnivorous mammals, reflecting trade-offs between carbohydrate and protein fermentation.

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The UEG Week 2013

The UEG Week took place in Berlin, Germany, from October 12-16, 2013. You can have a look at [their website](#) for information on the program of the event. As for the previous editions, this event was very rich, covering many different topics relating to gastroenterology and bringing together worldwide renowned experts. You can find video material of this year's edition in the [e-learning section of the UEG website](#). You can check the link regularly, as more content is regularly added.

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Written by Y. WINOGRADSKY

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[Save the date] Symposium on probiotics and culture preservation – May 16–18, 2014

The 2014 Conference on Bacteriology (CBA) will be held in Suzhou, China on May 16 to 18, 2014. During the event, a symposium will be dedicated to probiotics and culture preservation.

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Written by Y. WINOGRADSKY

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