



The place for scientific debate

The Gut Microbiota For Health Newsletter: Best of Summit 2013 April 25, 2013

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Edito

Dear Friends,

As you may have read in our previous newsletters, the Gut Microbiota for Health Summit has been a great success! We can truly testify of the enthusiasm that surrounds Gut Microbiota and its important developments for health. A lot of the content of this event has been made available to you on our website and [social media](#). We have just added a last element to the conference archive: reports on the workshops. These workshops reflected the high diversity of Gut Microbiota-related research topics: functional bowel disorders, brain function, probiotics and prebiotics, dysbiosis in IBD, fecal transplantation and technologies. They represented a great opportunity for knowledge dissemination and exchange. You can now access a summary of their content on our website and extend the exchange time by commenting them!



Written by Prof. Francisco GUARNER

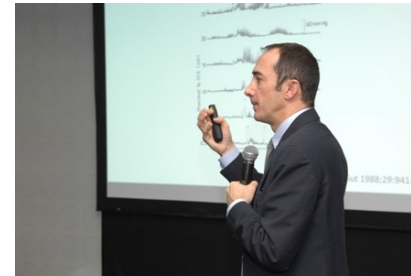
Workshop 1: Gut microbiota and functional bowel disorders

Speakers: Giovanni Barbara (Italy), Magnus Simren (Sweden)

Prof. Barbara highlighted the fact that there is increasing evidence indicating that the gut microbiota may be involved in the pathogenesis and pathophysiology of functional gastrointestinal disorders (FGIDs). FGIDs are a group of disorders characterised by recurrent GI symptoms that cannot be explained by other pathologically-based disease.

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Written by L. BUTTLE



Workshop 2: Gut microbiota and brain function

Speakers: Emeran Mayer (USA), Premysl Bercik (Canada)

Prof. Mayer gave an introductory overview of the different aspects of the topic, stressing that the tight interplay between brain, gut and gut microbiota is based on a highly complex network of bidirectional pathways, which run top down (from brain to gut) as well as bottom up (from gut to brain).

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Written by W. KRISCHKE



Workshop 3: Probiotics & Prebiotics: use and selection

Moderator: Francisco Guarner – Speakers: Karen Scott, Colin Hill

Karen Scott's presentation was designed as a pedagogical introduction to the notion of prebiotics. She put forward the definition given in Gibson et al 2010:

“Prebiotics are a selectively fermented ingredient that results in specific changes in the composition and/or activity of the gastrointestinal microbiota, thus conferring benefit(s) upon host health”.

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Written by Y. WINOGRADSKY



Workshop 4: Dysbiosis in IBD

Speakers: Dirk Haller (Germany), Balfour Sartor (USA)

Prof. Haller started his presentation by pointing out that “dysbiosis” is not a good term, because nobody knows what dysbiosis really means. To be able to understand what dysbiosis is, you would have to understand what the normal status quo is, and according to Prof. Haller that is not really well established.

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Written by R. JEGANATHAN



Workshop 5: Faecal microbiota transplantation

Speakers: Anne Vrieze (Netherlands), Lawrence Brandt (USA)

Dr Vrieze's talk focused on faecal microbiota transplantation (FMT) as a therapy for metabolic syndrome and C. difficile inflammation (CDI), under the guiding question whether the lacking diversity of the gut microbiota, which is assumed to play a major role in the disease onset, can be restored by the infusion of donor faeces.

[Read more](#)

Written by W. KRISCHKE



Workshop 6: Technologies to investigate the human gut microbiota

Moderated by Paul W O'Toole and Joël Doré (@dorejoel)

The human gut microbiota is the collection of bacteria, archea, virus and fungi. Paul O'Toole indicated that microbiome is a collection of genes inside microbiota and metagenomics is the method that consists in analyzing all genes of microbiota. Paul O'Toole summarized molecular tools available to investigate gut microbiota.

[Read more](#)

Written by J. TAP



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.