The human microbiome and obesity

by

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The gut microbiome is linked to many physical disorders from autism to inflammatory bowel disease as well as obesity. I will give an introduction on the healthy normal microbiota and its colonisation of the human body during life. Recent studies show obesity to be associated with a shift in the representation of the dominant phyla of bacteria in the gut. Weight loss potential could be driven by the present microbiome as well. The application of high throughput sequencing techniques to study the microbiota in several clinical trials will be presented to get insight in the role of the microbiome and obesity and the drivers for weight loss.