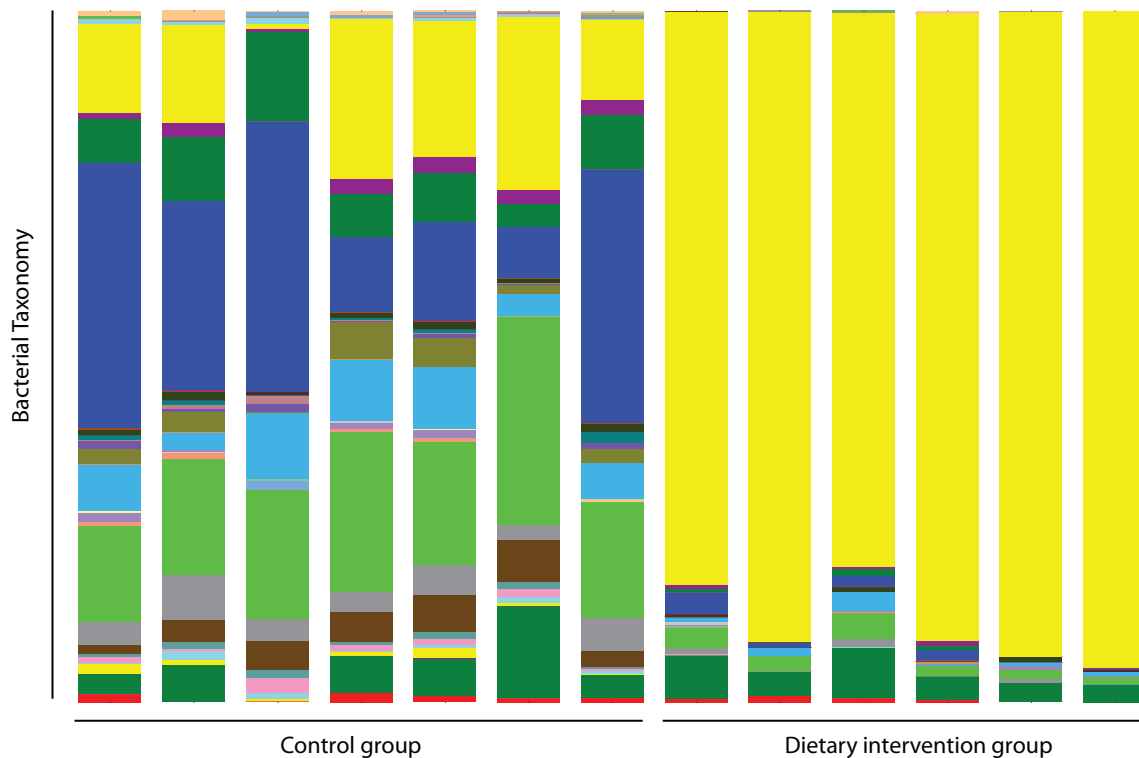


Microbiome analysis:

The human body harbors trillions of symbiotic microorganisms covering the intestinal tract, skin, oral cavity as well as the respiratory tract. Referred to as the “the human microbiome”, it accounts for approximately one to three percent of the human body mass and the total number of microbes in the human body exceeds the number of mammalian cells by ten fold. The intestinal microbiota includes 500 to 1000 bacterial species and interaction between the host and its intestinal microbes can account for both beneficial and detrimental effects. Indeed, dysbiosis of the interaction between the host and its intestinal microbiota can disrupt the steady-state immune-microbial balance and can contribute to the development of chronic inflammatory diseases and metabolic disorders such as inflammatory bowel disease (IBD), obesity or type 2 diabetes. Characterization of the microbiota can provide novel insight into the mechanisms underlying disease and the influence of treatment regimes, pre- or probiotics and dietary interventions on the host-microbial balance.

Technology: Bacterial16S rDNA pyrosequencing or quantitative PCR analysis of bacterial phyla.

Duration: Study durations vary dependent upon the experimental model and readouts



Our scientific project managers can provide expert advice and guidance for your studies concerning microbiome analysis.

Please contact us for customized Service Packages