

Title

Effect of human microbiome supplementation on metabolic disease and other conditions

Shimshi Atar, Tamir Tuller

Department of Biomedical Engineering, Tel-Aviv University

Contact: tamirtul@post.tau.ac.il (TT)

Abstract

Human gut microbiome comprises the collective genome of microbes inhabiting the gut .It is known to have protective effects against pathogens and have various important interactions with digestion and our immune system. Indeed, there is growing evidence that modifications in the microbiota composition may lead to several illnesses .

Here, as part of a clinical study, we study the predictive effect of patient microbiome composition on the success of treating it with microbes 'supplements aiming at dealing with various diseases such as Clostridium difficile infections (CDI), Anxiety and Depression ,Ulcerative Colitis, Metabolic Disease, and Solid Tumor.