

# Project “Digestive disorders in obesity and anorexia nervosa: role of the intestinal microbiota” by Microbiome Foundation



## Founded:

2018

## Main mission:

support research progress on the gut microbiota and increase awareness among the public on the importance of preserving the microbiome

## Scope of action:

National & International

## Objectives:

- to finance innovative basic and clinical research on the gut microbiota
- to raise awareness among the public on the importance of a healthy diet as a key factor in gut microbiota constitution

[Their website](#)

## Project “Digestive disorders in obesity and anorexia nervosa: role of the intestinal microbiota”

### WHAT?

Research project of Professor Pierre Déchelotte, aimed at characterizing the role of the gut microbiota in the onset and maintenance of functional digestive disorders frequently observed in anorexia and obesity. Professor Pierre Déchelotte is Professor of Nutrition, Director of the INSERM laboratory “Nutrition, Inflammation and Gut-Brain Axis Dysfunction”, Chief of division Clinical Nutrition, Rouen University Hospital.

### HOW?

- based on a series of animal experiments (mice), using approved obesity and anorexia models, models of stress inducing digestive and eating disorders, along with microbiota transplantation experiments from obese/anorexic animals
- by studying microbiota composition, intestinal response (barrier, inflammation, immunity), nutritional status and central regulation of dietary behavior.
- by assessing specific nutritional interventions targeting the microbiota, with a view to reducing digestive disorders and dietary behavior disruption of these same animals

### WHY?

To identify potential new nutritional treatments (amino acids, fatty acids, prebiotics, probiotics) that, by their microbiota modulatory action, could help improve the therapeutic management and quality of life of patients suffering from obesity or anorexia. These results will then be maximized by being made available to numerous patients.

### Duration of support

For 3 years

