



MICROBIOME RESEARCH

Microbiome-driven innovation for better health and taste

Predicting consumer benefits through gut-model testing

Expertise in both human and food microbiome



OUR SERVICES

- Design and implementation of human nutritional intervention studies focusing on gut microbiota
- Studies on microbial community design, behavior, and resilience
- In vitro gut microbiota studies
- Microbiota identification, isolation, characterization, and modelling

WHY COOPERATE

- **HUMAN MICROBIOME.** We have expertise in gut microbiome identification (both in vitro and in vivo), we can identify the consequences of a diet change and answer how your innovative functional food or ingredient will affect your microbiome, health, and mood.
- **FOOD MICROBIOME.** We will help to decipher microbial communities with next generation sequencing, solve the riddle of their interactions, and find the microorganisms specifically for your needs.
- **ALL AROUND EXPERTISE.** Our Microbiome Research Team consists of food scientists, microbiologists, nutritional therapists, and bioinformaticians all of whom will support you. We have an internal database with more than 2500 gut microbiome characterized with accompanying metadata.

OUR PROJECTS

- We contribute to the Horizon Europe-funded DOMINO project, studying fermented food microbiomes and their health benefits.
- We've completed 4 nutritional intervention studies and collaborate on European programs and microbiome initiatives, including COST action CA23110 and CA24132.



FIELDS OF TFTAK EXPERTISE



FOOD RESEARCH
BIOPROCESS OPTIMIZATION
ANALYTICS
AGILE PRODUCT DEVELOPMENT



Idea
Problem



Development
at lab scale



Testing at
pilot scale



Testing at
production

CONTACT

"I am very enthusiastic about the Microbiome field and what it can bring to people. Promoting applied research for our society's needs is the most important mission for me"

Jekaterina Kazantseva, PhD
Head of Microbiome Research Group



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Developing innovative solutions for the food and biotechnology industry!

TFTAK - CENTER OF FOOD AND FERMENTATION TECHNOLOGIES