



# MICROBIOME RESEARCH

Food Microbiome Research for better health and taste

More than 2500 Estonians gut microbiome characterized

## OUR SERVICES

- Design and implementation of human nutritional intervention studies focusing on gut microbiota
- Studies on microbial community resilience
- Microbial DNA next generation sequencing
- Microbiota identification

## WHY COOPERATE

- Human Microbiome. We have expertise in gut microbiome identification, we can identify the consequences of a diet change and answer how your innovative functional food 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.
- Expertise. Our Microbiome Research Team consists of food scientists, microbiologists, nutritional therapists, and bioinformaticians all of whom will support you.
- We offer consumer and sensory evaluation analyses that comply with the standard ISO8589:2007.
- TFTAk has a state-of-the-art microbiological and molecular biology laboratory equipped also with Illumina iSeq and MiSeq sequencers.

## OUR PROJECTS

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

## FIELDS OF 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