Educational and training needs for microbiomes

The potential of the microbiome can only be harnessed by a society that is literate in key aspects of microbiological knowledge; hence, there is a need to train and educate people of all ages and backgrounds to (1) use microbiome solutions across the food system and (2) find acceptance of processes, technologies and products that utilize our understanding of microbiomes.

Innovative education strategies that start in the classroom, tailored trainings, and life-long learning opportunities all can have the potential to deliver on the transdisciplinary knowledge and capacities needed for human, animal and environmental health, future jobs, and healthy and sustainable food systems.

Primary & secondary education

- Basic microbiome-related knowledge in classrooms (new teaching materials)
- Microbiology skills & understanding
- Microbiome-literacy raising activities targeting children and young adults

University & trade education

- Capacity in bioinformatics
- Dissemination and communication of research
- Reaching and supporting young students to be trained in this field
- Promoting transdisciplinarity
- Interdisciplinary trainings

Continued professional education

- Trainings adapted to industry internal needs
- Transectorial dialogue between companies and adacemic research institutions
- Vocational trainings for food system professionals

[1] *MicrobiomeSupport Deliverable (2022) "Report on educational needs".*