4th International Workshop on **Interactions between crop plants and human pathogens**

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4th International Workshop on Interactions between crop plants and human pathogens

Organized by

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Control of Human Pathogenic Microorganisms in Plant Production Systems

WP1 Ecology of HPMO in plants and in environments relevant for plant production

and

WP4 Agricultural practices and sanitary measures undertaken for the control of HPMO in plant production

Food-borne disease outbreaks resulting from consumption of plant-derived fresh produce have been reported worldwide. It is clear that particular groups of human pathogenic micro-organisms (HPMO) can find their ecological niches in plant production systems. Contamination routes of HPMO to plants are poorly understood. Basic resources for agro-production, such as soils, water and fertilizers can play a role in contamination of plants, but micro-organisms taxonomical closely related with HPMO are also present in plant microbiomes. HPMO must be considered as integral components of the plant microbiome and it is the intention of HUPLANTcontrol to investigate the potential negative aspects of plant microbiomes on human health and to integrate novel scientific insight into sanitary measures and agricultural management practices. The HUPLANTcontrol network consists of working groups focusing on the ecology of HPMO in plants, the taxonomical identification of HPMO from plants, on characterization of the potential human-threatening nature of HPMOs, and on sanitary and agricultural management procedures to control HPMO in plant production facilities. The achieved knowledge is discussed and shared between science groups and relevant stakeholders from agriculture, industry and public health authorities. The aim of this workshop is to bring together researchers and stakeholders and discuss the newest achievements in understanding of ecology of HPMO in plant environment as well as new achievements in sanitary measurements allowing to prevent plant-originated foodborne outbreaks.

Organizers

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