Iris Haberkorn, Ph.D. candidate Laboratory of Sustainable Food Processing, ETH Zurich

Mrs. Iris Haberkorn (born 1992) studied Nutritional Sciences at the University of Hohenheim and continued her studies to earn a Master's degree in Food Science at ETH Zurich. In 2017, Mrs. Haberkorn joined the Laboratory of Sustainable Food Processing at ETH Zurich to proceed her academic career as a Ph.D. student under the supervision of Prof. Alexander Mathys. The doctorate of Iris Haberkorn focuses on the development of a downstream protocol for *Chlorella vulgaris* for the application in life support systems. The doctorate targets at the recovery of biomass after non-axenic cultivation. Processed microalgal biomass must be safe for human consumption. At the same time, it should have a nutritionally valuable composition. A goal of the doctorate is the development of a downstream protocol remediating harmful bacterial species, while maintaining the nutritional value of microalgae. Ultimately, edible and nutritionally valuable biomass should be generated to leverage sustainable nutrition in space and on Earth.