


Name:	Professor Philipp Franken
Affiliation:	Professor of Molecular Phytopathology at the Friedrich Schiller University Jena and Scientific director and group leader at the Erfurt Research Center for Horticultural Crops
	<p>Prof. Franken is an expert in plant-microbe interactions. His research focuses on plant mutualistic interactions with arbuscular mycorrhizal fungi and fungal root endophytes. His work combines techniques in molecular genetics with microbiological and physiological methods to gain a better understanding on the important functions of these symbioses in the mutual exchange of nutrients and the induced resistance to plant pathogens. The research involves developing sustainable horticultural crop cultivation strategies that conserve resources and avoid the use of mineral fertilizers, synthetic pesticides or growth regulators.</p>
Main research interests:	<ul style="list-style-type: none"> - Molecular mechanisms involved in nutrient exchange in plant-fungus interactions - Deciphering the specific elements of plant defense that contribute to induced resistance to root-infecting pathogens. - Application of microorganisms in horticultural substrates
Links:	<p>https://www.mikrobiologie.uni-jena.de/en/institute/molecular-phytopathology</p> <p>https://www.researchgate.net/profile/Philipp-Franken</p>