The research groups use systems biology approaches and take advantage of fully sequenced model organisms that represent milestones for studies in plant evolution (e.g. cyanobacteria, moss, Arabidopsis thaliana and rice). Research also focuses on signalling pathways (e.g. hormones, light, abiotic and biotic stresses) and their role in plant development. The reski lab exploits the potential of transgenic Physcomitrella cells for producing valuable compounds in bioreactors.

To find information on the principal investigators in this area please click here.

Credit: Desirée Gütle, Physcomitrella patens leaf with chloroplasts