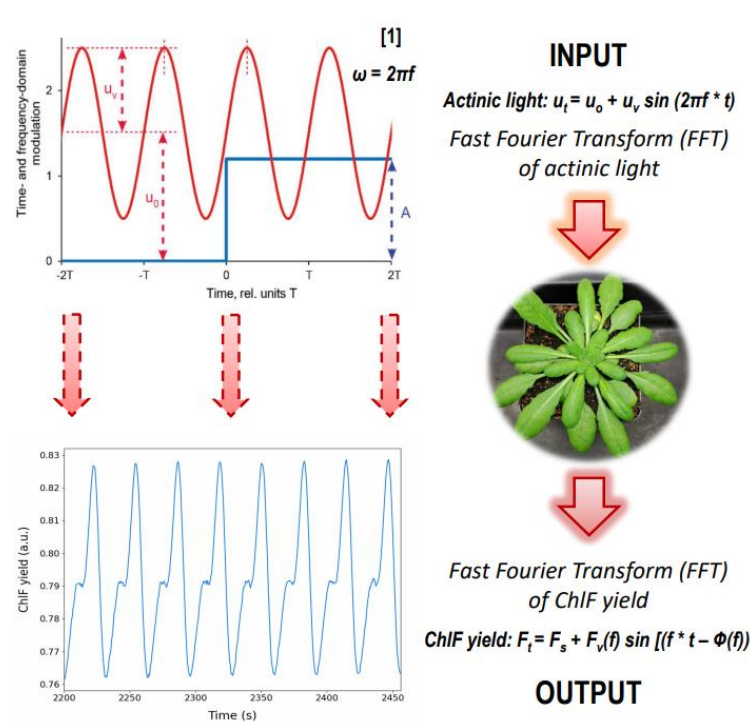


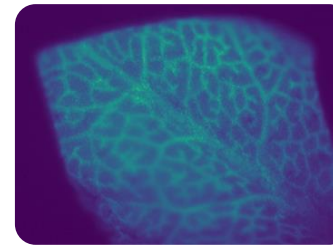
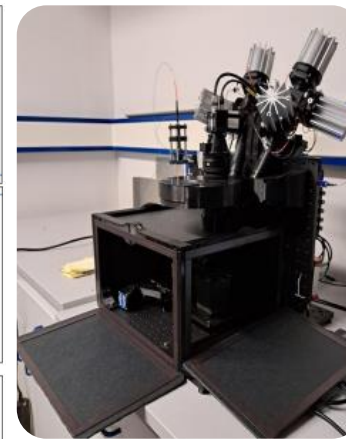
# Sensing the heat response of photosynthesis dynamics with forced oscillating light

Andrea Lodetti, Shizue Matsubara, Uwe Rascher, Oliver Ebenhöh

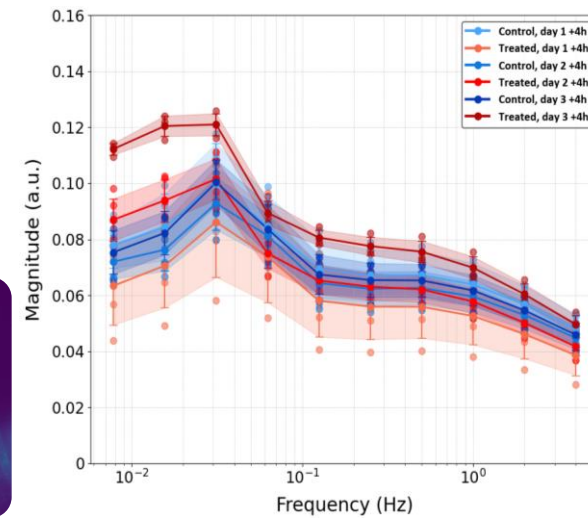
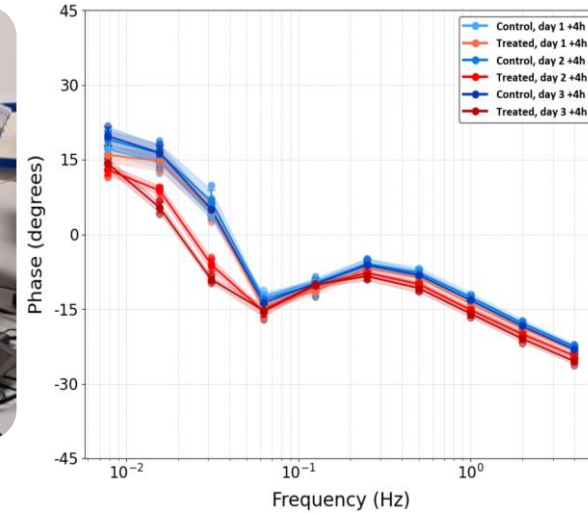
## 1. "Prologue"



## 2. "Journey"



## 3. "Climax"



## 4. "Epilogue"

The use of a sinusoidal light that oscillates at selected frequencies allows to investigate the dynamics of the photosynthetic system through the measure and analysis of chlorophyll fluorescence yield (frequency-domain approach). Here, we demonstrate that this method can detect the frequency-dependent heat response of photosynthesis in *A. thaliana* WT plants.