

Ongoing project

Stomata: coordination of development, evolution of CO₂ sensing and carbon acquisition

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Goal: In this project we aim to find (i) whether chemical composition and permeability of cuticle (wax) is linked to stomata development, (ii) whether stomatal development reflects CO₂ demand of mesophyll and (iii) when in evolution did the mosses gain the CO₂ sensitivity and carbon acquisition function.