



## ***ABSTRACT***

*“UV-B perception and signalling in Arabidopsis”*

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To optimize their growth and survival, plants perceive and respond to UV-B radiation. However, neither the molecular identity of the UV-B photoreceptor nor the photoperception mechanism is known. An early molecular response to UV-B radiation involves the direct interaction between UVR8 and COP1, two key factors regulating UV-B-induced photomorphogenesis. This pathway secures plant acclimation to UV-B and thus endurance under sunlight. I will present our current understanding of COP1 and UVR8 function in UV-B perception and signalling.