



Metabolism of sulfur in plants: From targeted to integrated functional approaches

Wednesday 28 May 1 - 2pm

Speaker

Ruediger Hell

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Location

Slatyer Seminar Room

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This lecture is free and open to the public

PSS event information:
biology.anu.edu.au/News/events-ps.php



The uptake and assimilation of inorganic sulfur by plants contributes to atmospheric nutrient cycles and human nutrition. Reduced sulfur functions in cysteine, methionine, Fe-S- clusters and many other cell components but also in protein structure and redox regulation, making sulfur one of the most versatile elements of life. The pathway of sulfate assimilation in plants is straight forward when compared with carbon and nitrogen assimilation, but forms an intrinsic network with those pathways. Its inputs derive from endogenous demand for growth and development as well as from nutrient supply and environmental stress. The integration of all these factors makes

sulfur metabolism a paradigm for the understanding of the ever changing relationship of metabolism, development and environment in plants.

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