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Learning the language of the chloroplast

Wednesday 25 September 2013 1-1:40 pm

Barry Pogson Research School of Biology

Slatyer Seminar Room R.N. Robertson Building (Bldg. 46), Linnaeus Way, ANU



The overarching theme of our research is to determine the controls and regulators of communication between the chloroplast and nucleus, a process referred to as retrograde signaling. This includes discovery of genes and metabolites involved in epigenetics, RNA metabolism, chloroplast-nuclear signaling, carotenoid biosynthesis, photosynthesis and drought. This seminar will focus on a long term project in our group to understand how high light stress is perceived by the chloroplast and in turn regulates gene expression in the nucleus. The discovery of the SAL1-PAP retrograde signaling

pathway has led the research into how chloroplast – nuclear communication operates in stomata and in leaf to leaf communication of abiotic stress.

Presented by

Research School of
Biology

ANU College of
**Medicine, Biology
& Environment**

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This lecture is free and open to the public

PS seminar information:
biology.anu.edu.au/News/events-ps.php

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