

中央研究院
農業生物科技研究中心

ABRC SEMINAR



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**Phosphate uptake and
homeostasis in
*Arabidopsis thaliana***

Host: Dr. Tzyy-Jen Chiou

10:30 PM

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Auditorium A134, Agricultural Technology Building

農業科技大樓1樓A134演講廳

Please see the abstract on reverse side.

Phosphate (Pi) is one of the main plant macronutrient. It controls a complex network of morphological and biochemical processes connected to:

- external Pi concentration modulating root architecture (local responses).

- internal Pi content affecting systemic Pi responses, which trigger numerous essential metabolic changes to favors adaptation of the plant to its Pi status. This requested a tight control of the Pi uptake involving multiple levels (transcriptional and post-transcriptional) of regulations.

Our team have works since several years to elucidate complexity of Pi transport and molecular basis of Pi responses. We will present an overview of the results obtained during the last years.