

京都植物バイテク 談話会

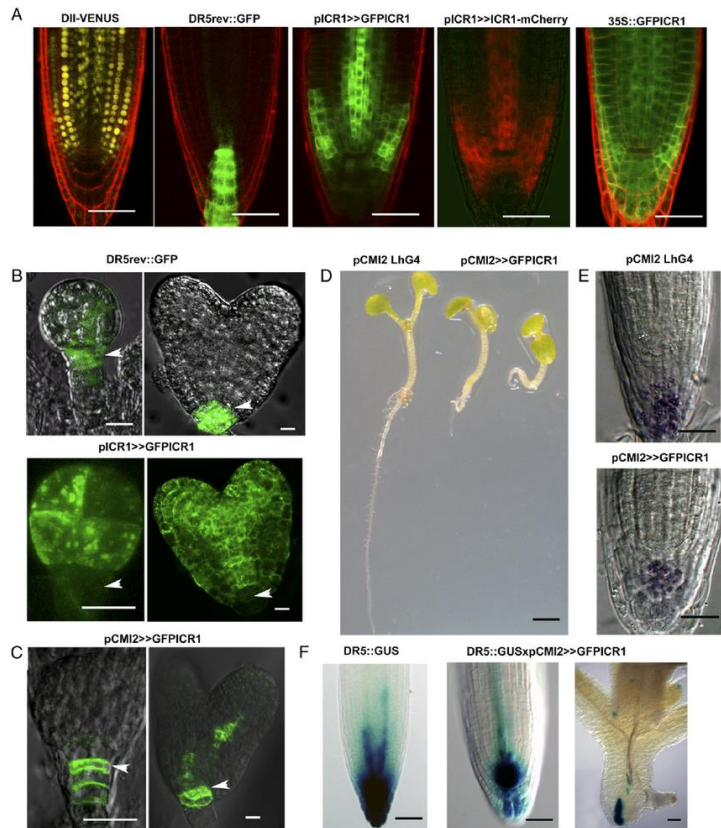
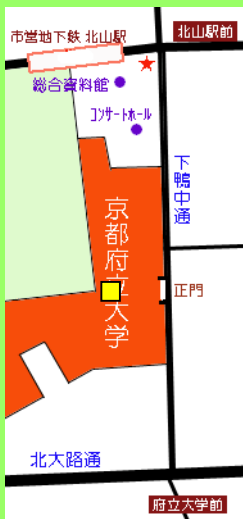
植物バイテク 特別セミナー

日時:
2016年 3月4日(金)
15:30~16:30
場所:
京都府立大学
附属図書館3階
視聴覚室

ご自由に御来聴
ください。

京都市左京区下鴨半木町1-5
京都府立大学

アクセス
地下鉄烏丸線「北山駅」下車、
南へ徒歩約8分



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植物バイテク特別セミナー

Interaction of auxin, Ca²⁺ and ROP GTPase signaling in root development

Prof. Shaul Yalovsky Tel Aviv University, Israel

Abstract

The developmental plasticity of plants in response to changing environment is vital for their survival. I will present our work on the interaction between auxin, a central regulator of plant development, and Ca²⁺, a universal second messenger implicated in a wide range of cellular responses. We have previously demonstrated that the Rho Of Plants (ROP) GTPase effector ICR1 regulates auxin transport. I will present data indicating that ICR1 is a microtubule-associated protein, which is regulated by the auxin-induced Ca²⁺ sensor CMi1. Our results highlight a Ca²⁺ and ROP dependent signaling cross-talk that regulates cell polarity and plant development by affecting auxin signaling and distribution.

問い合わせ先:

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