ON THE COVER

Dynamic signaling events across the nuclear envelope are an important component of plant immune responses. Cheng et al. (pages 2506–2520) report cloning and analysis of *Arabidopsis MOS7/Nup88*, which encodes a nucleoporin-like protein that functions in regulating nuclear export of certain defense proteins. *MOS7* is a homolog of human and *Drosophila Nup88*, which regulates nuclear export of activated NF-κB transcription factors. *mos7* mutant plants show marked reduction in nuclear retention of SNC1 and the immune regulators EDS1 and NPR1 and exhibit specific defects in immune responses, suggesting that plant defense outputs are regulated by MOS7-mediated modulation of the nuclear concentration of defense proteins. The cover displays a confocal image of leaf pavement cells stained with propidium iodide (red/magenta) showing nuclear rim localization of MOS7-GFP (green).

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