ON THE COVER

The γ-tubulin complex, which is critical for microtubule (MT) nucleation and organization in eukaryotic cells, comprises six γ-tubulin complex proteins (GCPs), with γ-tubulin itself being GCP1. The function of the other GCPs is well-described in animal and fungal cells but not well understood in plant cells. Kong et al. (pages 191–204) show that GCP4 is an indispensable component for the function of γ-tubulin in MT nucleation and organization in plant cells. The cover image shows MT highlighted by a green fluorescent protein-tubulin fusion protein expressed in leaf epidermal cells in Arabidopsis. The paired guard cells in the center exhibit radiating MT arrays, whereas the cortical MTs form complex networks in the surrounding pavement cells.

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