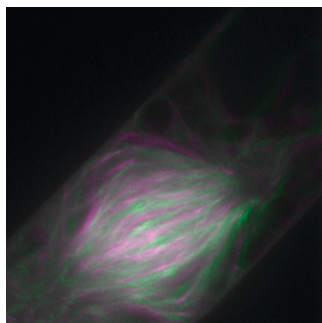


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ON THE COVER



In plant cells, the phragmoplast is a key feature that orchestrates cell plate formation and the final stages of cell division. Hiwatashi et al. (pages 3094–3106) investigate the function of two novel plant-specific kinesins in phragmoplast formation in the moss *Physcomitrella patens*. These kinesins are found to play a key role in cross-linking antiparallel microtubules in the phragmoplast. The cover shows a merged image of a phragmoplast of transgenic *P. patens* expressing a GFP- α -tubulin fusion protein taken at two intervals during cell division (green, first frame; magenta, 40-s interval), showing interdigitation of antiparallel microtubules at the phragmoplast equator.

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