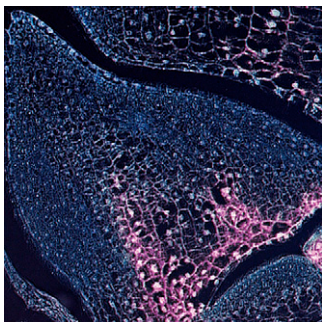


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ON THE COVER



Several monocot species develop unifacial leaves, in which leaf blades have only abaxial identity. Bifacial leaves require adaxial-abaxial polarity for leaf blade flattening, whereas many unifacial leaves become flattened despite their leaf blades being abaxialized. Yamaguchi et al. (pages 2141–2155) identify a *DROOPING LEAF* (*DL*) gene ortholog as a candidate responsible for leaf blade flattening in unifacial leaves of *Juncus prismatocarpus*. They suggest that *DL* promotes leaf cell proliferation along the median plane in monocots and that such *DL* function leads to leaf blade flattening in unifacial leaves, whereas it leads to leaf midrib formation in bifacial leaves. The cover image shows in situ localization of the *DL* transcripts (the pink color) in a longitudinal section of *J. prismatocarpus* shoot apex.

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