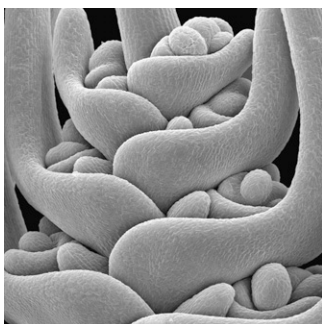


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ON THE COVER



Suppression of growth of inflorescence leaves, or bracts, has evolved multiple times in diverse angiosperm lineages. Several genes involved in bract suppression have been identified in *Arabidopsis*, but it is not known whether homologs of these genes play a similar role in other plants with suppressed bracts. Whipple et al. (pages 565–578) identify maize *Tsh1*, which encodes a GATA zinc-finger protein that is involved in bract suppression in maize. They show that the bract suppression function of *Tsh1* is conserved in the grass family, but not in the homologous *Arabidopsis* gene *HAN*, suggesting the evolution of distinct bract suppression mechanisms in these lineages. The cover shows an electron micrograph image of the inflorescence of a barley mutant featured in the article.

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Jian Zhao and Richard A. Dixon (2009) MATE Transporters Facilitate Vacuolar Uptake of Epicatechin 3'-O-Glucoside for Proanthocyanidin Biosynthesis in *Medicago truncatula* and *Arabidopsis*. *Plant Cell* 21: 2323–2340.

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