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**On the Cover:** Arabidopsis heterotrimeric G-protein subunits have differential roles in the modulation of cell division in roots. In the root apical meristem, the heterotrimer complex ( $G\alpha\beta\gamma$ ) is an attenuator of cell proliferation, whereas the activated  $G\alpha$  (GTP-bound  $G\alpha$ ) is a positive modulator. Arabidopsis regulator of G-protein signaling (RGS) is a seven-transmembrane protein with a functional RGS box that accelerates the intrinsic GTPase activity of  $G\alpha$ . For the formation of lateral root, the  $G\beta\gamma$  dimer acts largely independently of  $G\alpha$  to negatively regulate cell division (Chen et al., pp. 887–897). Cover design by Alan Jones and Jin-Gui Chen.

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<sup>[W]</sup> Indicates Web-only data.

<sup>[OA]</sup> Open Access articles can be viewed online without a subscription.