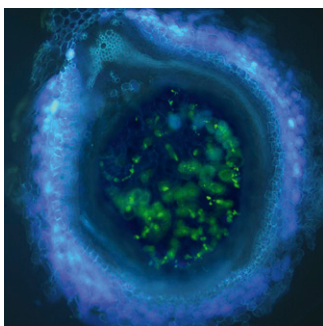


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**ON THE COVER**



The development of nitrogen-fixing nodules in legumes requires signaling through cytokinin receptors, but the mechanism of action of cytokinin in nodule organogenesis remains poorly understood. Ng et al. (pages 2210–2226) report in this issue that cytokinin signaling is required for the induction of flavonoids that control polar auxin transport and auxin accumulation to initiate nodule formation. The figure shows a successfully infected nodule of *Medicago truncatula*. Nitrogen-fixing rhizobia expressing green fluorescent protein can be seen in the center of the nodule. The blue autofluorescence seen in cells in the periphery of the nodule is due to flavonoids.

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