

T H E  
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**ON THE COVER**



Tomato leaflet colonized by the fungal pathogen *Sclerotinia sclerotiorum* (red, expressing the GFP) viewed under fluorescent illumination. The agar plug used as inoculum is visible in cyan at the center of the picture. The fungus *S. sclerotiorum* is notorious for infecting hundreds of plant species. Sucher *et al.* (pp. 1820-1844) analyzed the transcriptome of plants from six botanical families to document the diversity of molecular responses to this pathogen. About one third of plant transcriptomes responded locally to *S. sclerotiorum* inoculation, including a high proportion of broadly conserved genes showing frequent regulatory divergence at the interspecific level. Photo by Marielle Barascud.

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Online at [www.plantcell.org](http://www.plantcell.org)**BREAKTHROUGH REPORT****Sex Determination by Two Y-Linked Genes in Garden Asparagus<sup>[OPEN]</sup>** 1790Alex Harkess, Kun Huang, Ron van der Hulst, Bart Tissen,  
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## CORRECTIONS

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<sup>[OPEN]</sup> Articles can be viewed without a subscription.

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