Honey bees (Apis mellifera), here shown on a honeycomb, form complex societies and interact with one another by means of stereotyped social behaviors. A special section beginning on page 891 explores what genetic approaches have taught us about behavior in bees and other species, including humans.

*Image: Don Farrall, Getty Images*
MOLECULAR BIOLOGY
The Air Noncoding RNA Epigenetically Silences Transcription by Targeting G9a to Chromatin
T. Nagano et al.
Air, a large noncoding RNA, interacts with chromatin at a particular promoter, recruiting a histone methyltransferase to silence gene expression in an allele-specific manner.
10.1126/science.1163802

PLANTARY SCIENCE
Long-Lived Volcanism on the Lunar Farside Revealed by SELENE Terrain Camera
J. Haruyama et al.
Images of the Moon by the SELENE spacecraft and revised dates of lava flows by crater counts imply that episodic volcanism on the farside lasted to 2.5 billion years ago.
10.1126/science.1163382

MOLECULAR BIOLOGY
Photoexcited CRY2 Interacts with CIB1 to Regulate Transcription and Floral Initiation in Arabidopsis
H. Liu, X. Yu, K. Li, J. Kleijn, H. Yang, D. Lister, C. Lin
Blue light triggers the association of a photoreceptor, transcription factor, and DNA site, thus inducing expression of the gene FT (flowering time) and initiating flowering.
10.1126/science.1163927

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A lipid molecule and a quaternary ammonium biocide that are used in making plastic labware can contaminate common enzyme and binding assays, altering the results.

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Transient exposure of mouse fibroblast and liver cells to adenovirus vectors carrying factors that induce pluripotency generates stem cells without viral elements in the genome.

DEVELOPMENTAL BIOLOGY
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