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*

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The Air Noncoding RNA Epigenetically Silences Transcription by Targeting G9a to Chromatin
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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

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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

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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.
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Distinct patterns of activity elicited in auditory cortex by different vowels and different speakers allows independent identification of who is speaking and what they are saying.
NAADP elicits an initial release of calcium, which is subsequently amplified through the action of other calcium messengers.

CD38, NAADP controller.

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Learn about the latest in research funding, scholarships, fellowships, and internships.

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