



## COVER

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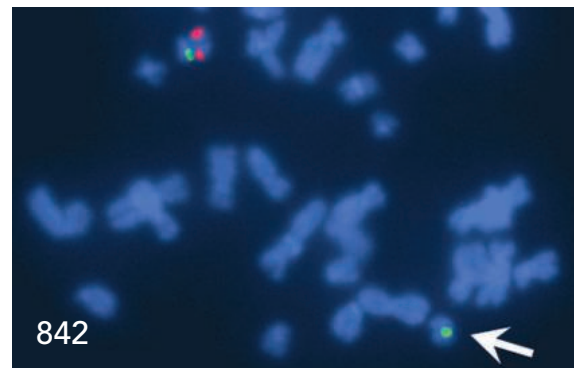
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The *Air* Noncoding RNA Epigenetically Silences Transcription by Targeting G9a to Chromatin

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

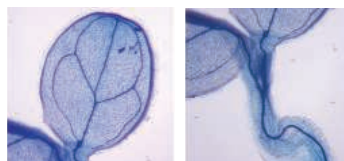
## PLANETARY SCIENCE

## 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. Klejnot, H. Yang, D. Lisiero, 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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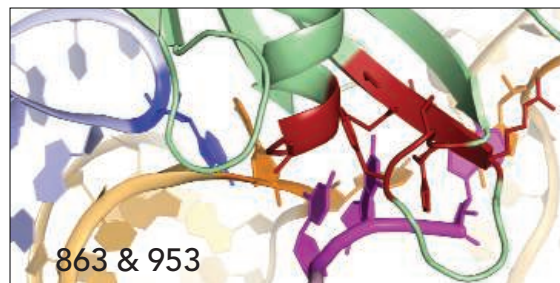
Transient exposure of mouse fibroblast and liver cells to adenovirus vectors carrying factors that induce pluripotency generates stem cells without viral elements in the genome.

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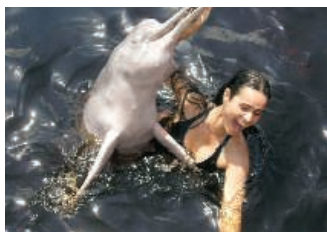
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*B. L. Benderly*

What early-career scientists can learn from the working class.

### In Person: The Trick to a Rewarding Career

*M. Hermann*

Throughout his career, Marc Hermann has always done exactly what he wanted.

### U.K. Visa Changes Mean Closer Scrutiny for Non-European Students

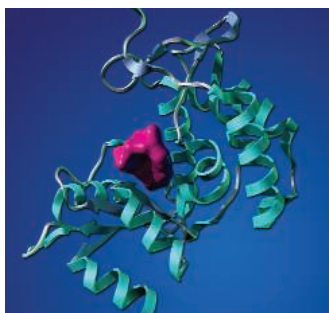
*A. Saini*

New U.K. immigration policies impose more rigid requirements than in the past.

### November 2008 Funding News

*J. Fernández*

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CD38, NAADP controller.

## SCIENCE SIGNALING

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THE SIGNAL TRANSDUCTION KNOWLEDGE ENVIRONMENT

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NAADP elicits an initial release of calcium, which is subsequently amplified through the action of other calcium messengers.

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