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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**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

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**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

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**MOLECULAR BIOLOGY**

Photoexcited CRY2 Interacts with CIB1 to Regulate Transcription and Floral Initiation in *Arabidopsis*

*H. Liu, X. Yu, K. Li, J. Kleijnot, H. Yang, D. Listero, 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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Comment on “Whole-Genome Shotgun Sequencing of Mitochondria from Ancient Hair Shafts”

*R. Debruyne, C. Schwarz, H. Poinar*

Full text at www.sciencemag.org/cgi/content/full/322/5903/857a

Response to Comment on “Whole-Genome Shotgun Sequencing of Mitochondria from Ancient Hair Shafts”

*M. T. P. Gilbert, W. Miller, S. C. Schuster*

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DEVELOPMENTAL BIOLOGY

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

ST NETWATCH: The Nobel Prize in Chemistry 2008
This year’s award went to the scientists who discovered green fluorescent protein and developed it as an experimental tool; in Awards and Announcements.

ST NETWATCH: ASBMB Interactive Features
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ST NETWATCH: AMBMR Webcasts
View seminars from the annual meeting of the American Society for Bone and Mineral Research; in Web Broadcasts.

River Dolphin Love Fetishes Not as Advertised
The boto has quite a reputation—but fortunately the body parts sold at Amazonian markets are fakes.

Diesel Fuel From a Tree Fungus?
Microbe’s hydrocarbon stew could one day supplant fossil fuels.

Ancient Grave May Have Belonged to Shaman
Find hints at development of religion during crucial time in human history.

CD38, NAADP controller.

Lessons for postdocs.

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In Person: The Trick to a Rewarding Career
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U.K. Visa Changes Mean Closer Scrutiny for Non-European Students
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November 2008 Funding News
J. Fernández
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CD38, NAADP controller.