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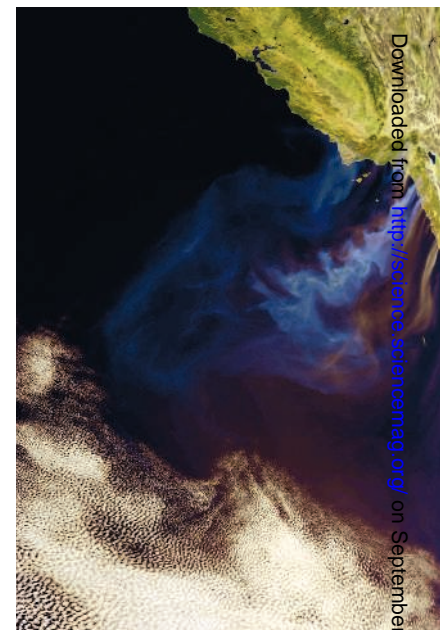
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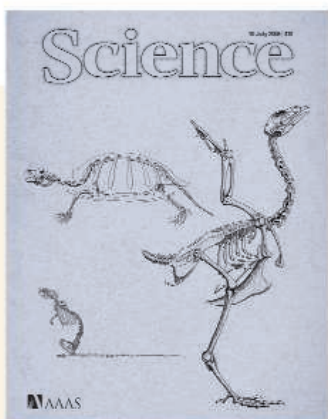


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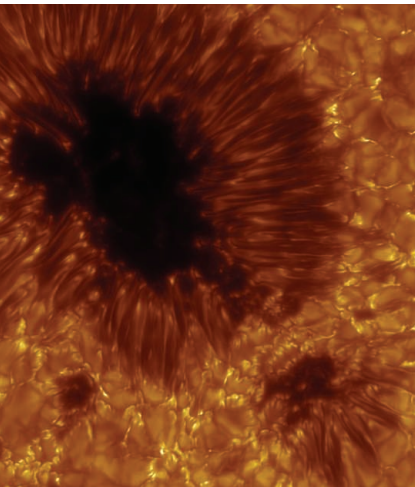
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Skeletons of turtle, chicken, and mouse. The turtle body plan is unusual in that the ribs are transformed into a carapace, and the scapula, situated outside the ribs in other animals, is found inside the carapace. A report on page 193 explains the evolutionary origin of this inside-out skeletal morphology.

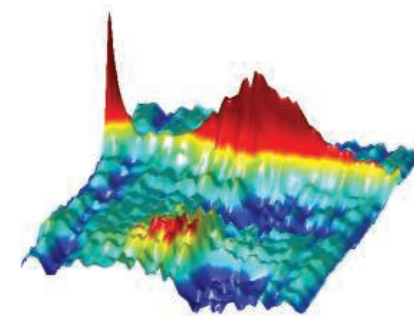
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- 187** Consistency Between Satellite-Derived and Modeled Estimates of the Direct Aerosol Effect
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- 193** Evolution of the Turtle Body Plan by the Folding and Creation of New Muscle Connections
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Age-associated death and onset of pathologies are delayed by controlled caloric restriction, thus prolonging life span.
- 204** Discovery of Swine as a Host for the Reston ebolavirus
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SCIENCEONLINE

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Pre-Target Axon Sorting Establishes the Neural Map Topography

T. Imai et al.

The mouse olfactory topographic neural map is self-organized by interactions between axons, not directed by the target.
10.1126/science.1173596

Dependence of Mouse Embryonic Stem Cells on Threonine Catabolism

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Mouse embryonic stem cells exist in a high-flux metabolic state comparable to that of rapidly dividing bacteria.
10.1126/science.1173288

Flexible Learning of Multiple Speech Structures in Bilingual Infants

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Exposure to two languages facilitates the development of a more flexible associative learning capacity.
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Evolution of tyrosine phosphorylation as a signaling mechanism may have coincided with loss of tyrosine residues to avoid noise.
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Comment on "DNA from Pre-Clovis Human Coprolites in Oregon, North America"

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full text at www.sciencemag.org/cgi/content/full/325/5937/148-a

Response to Comment by Poinar *et al.* on "DNA from Pre-Clovis Human Coprolites in Oregon, North America"

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Highlights From Our Daily News Coverage

Social Security Numbers Are Easy to Guess

Numbers can be predicted with public data, triggering fears of identity theft.

New Fossil Primate Challenges 'Missing Link' Ida

Researchers propose that it was Asian, not European or African, primates that gave rise to monkeys, apes, and humans.

Finally, an Average Black Hole

Astronomers may have discovered a black hole that's neither small nor gigantic.

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RESEARCH ARTICLE: Oxygen-Regulated β_2 -Adrenergic Receptor Hydroxylation by EGLN3 and Ubiquitylation by pVHL

L. Xie et al.

Hypoxia reduces proline hydroxylation and ubiquitylation of a G protein-coupled receptor, preventing down-regulation.

PERSPECTIVE: Caspase-8 for Outer Harmony

G. Sollberger and H.-D. Beer

Ablation of caspase-8 in keratinocytes activates proliferative and inflammatory responses in the epidermis.

NETWATCH: The Gene Ontology

This project develops species-independent classifiers for describing gene products; in Bioinformatics Resources.

NETWATCH: Prosite

Identify and explore protein domains; in Protein Databases.

SCIENCECAREERS

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Free Career Resources for Scientists

Basic Scientists in the Clinic

B. Vastag

Scientists now have more opportunities to interact with patients.

From Research to the World of Diplomacy

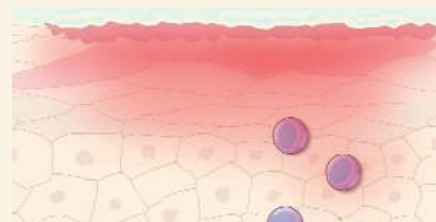
E. Pain

Nicola Sasanelli left electronic engineering in Italy to become a special envoy.

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