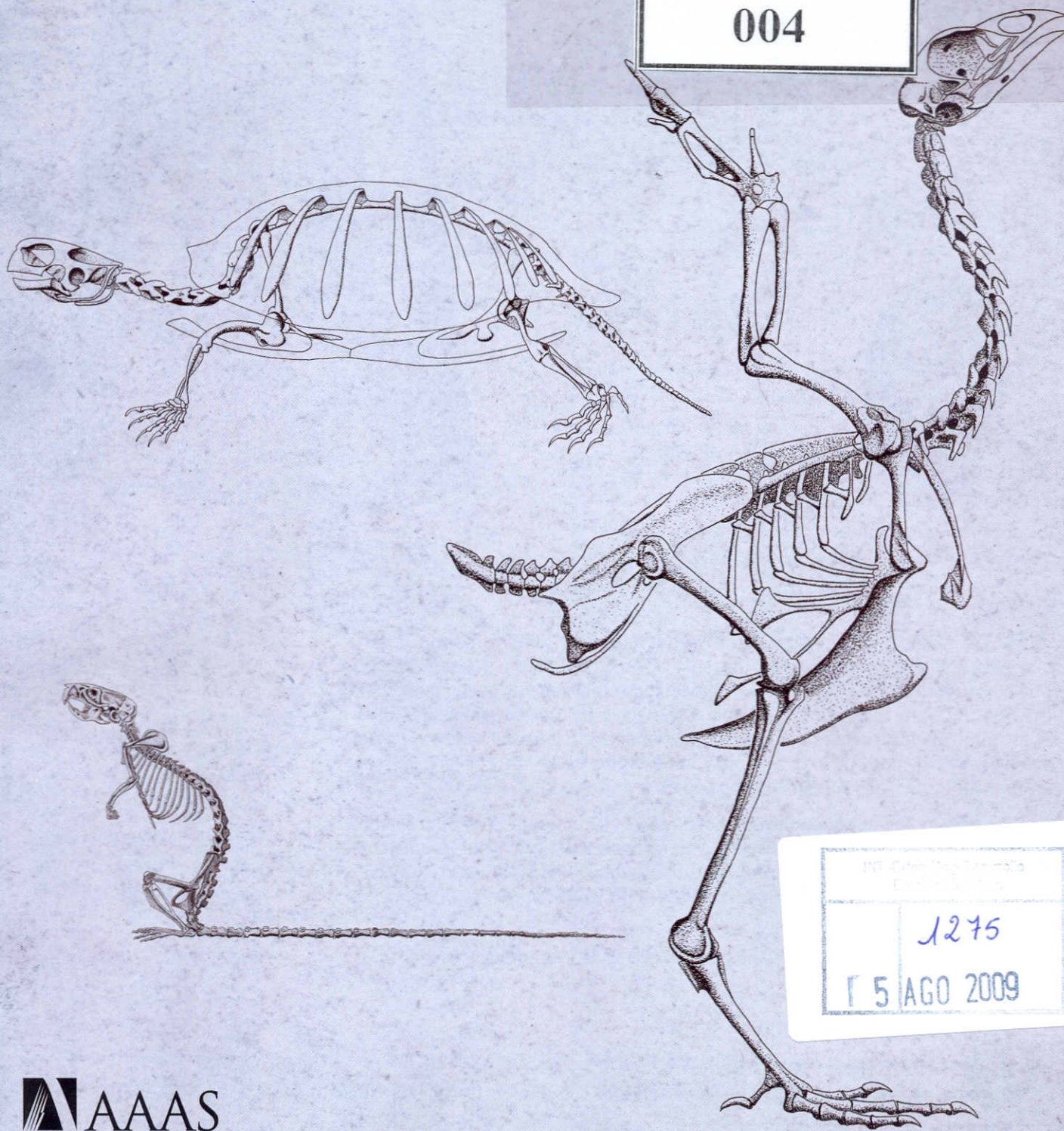


# Science

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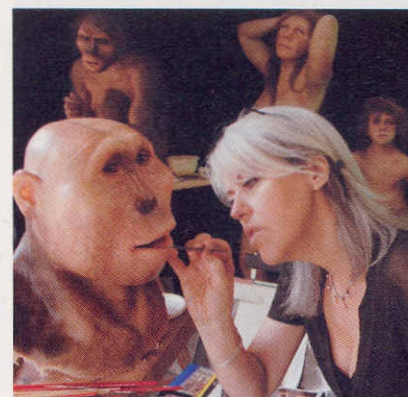
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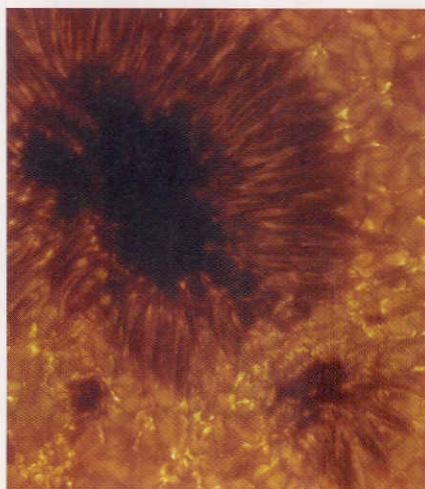
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Skeletons of turtle, chicken, and mouse. The turtle body plan is unusual in that the ribs are transformed into a carapace, and the scapula, situated outside the ribs in other animals, is found inside the carapace. A report on page 193 explains the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

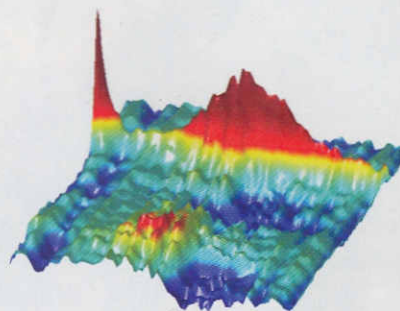
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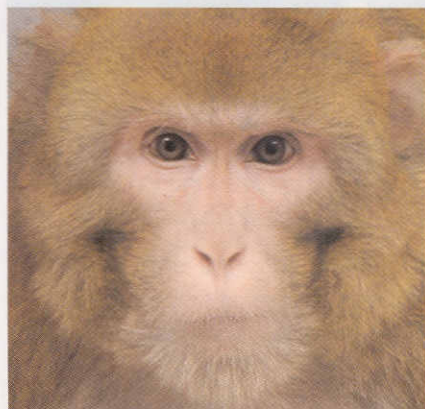
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## SCIENCEONLINE

## SCIENCEEXPRESS

[www.sciencexpres.org](http://www.sciencexpres.org)

### 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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10.1126/science.1173288

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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](http://www.sciencemag.org/cgi/content/full/325/5937/148-a)

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## SCIENCENOW

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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.

## SCIENCE SIGNALING

[www.sciencesignaling.org](http://www.sciencesignaling.org)

The Signal Transduction Knowledge Environment

### RESEARCH ARTICLE: Oxygen-Regulated $\beta_2$ -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.

## SCIENCE CAREERS

[www.sciencereers.org/career\\_magazine](http://www.sciencereers.org/career_magazine)

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

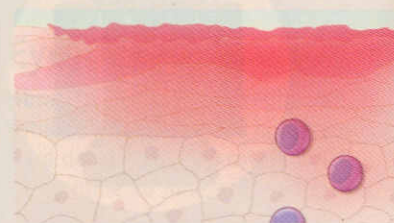
E. Pain

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

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Skin inflammation.



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A History of Beginnings

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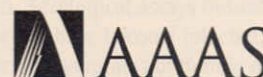
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