NEWS & COMMENT

DOE Labs: Is Evolution Enough? Small Labs Make Big Targets
Ariane Failure Casts Shadow Over ESA's Science Program
IVF Project Stirs Debate Over How to Preserve Pandas
Civil War Leaves Once-Proud Georgian Science in Tatters
Observatory Fades Away in Splendid Isolation

RESEARCH NEWS

Gene Linked to Commonest Cancer
Ice Bubbles Confirm Big Chill
Simple Mice Test Antibody Complexity
Did Neandertals Lose an Evolutionary “Arms” Race?
Bose-Einstein Condensates Display Their First Tricks
Galileo Suggests Deep Roots to Jupiter’s Fierce Winds
Distant Universe: Precocious Structures Found

PERSPECTIVES

Nonequilibrium Structures in Condensed Systems
A. S. Mikhailov and G. Ertl

Polar Clouds and Sulfate Aerosols
M. A. Tolbert

Bacteria Also Vote
D. Kaiser

Molybdenum Bolsters the Bioinorganic Brigade
E. I. Stiefel

ARTICLE

Spatial Response of Mammals to Late Quaternary Environmental Fluctuations

RESEARCH ARTICLES

Structural Analysis of Substrate Binding by the Molecular Chaperone Dnak
X. Zhu, X. Zhao, W. F. Burkholder, A. Gragerov, C. M. Ogata, M. E. Gottesman, W. A. Hendrickson

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THIS WEEK IN SCIENCE

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Science Policy in Japan
H. Hayashida

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RANDOM SAMPLES

BOOK REVIEWS
The End of Science, reviewed by D. L. Goodstein • Color and Light in Nature, B. E. Schaefer • Science in the Making

PRODUCTS & MATERIALS

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1583, 1621 & 1668

Developmental pathways and cancer

1626

Dusty plasmas
The Drosophila wing imaginal disc (~300 micrometers wide) is divided into two populations of cells: those expressing the signaling protein Hedgehog (Hh) (posterior, stained red) and those responsive to Hh (to the left). The zinc-finger protein Cubitus interruptus in anterior cells (stained green) maintains this difference between the populations by preventing the production of, and conferring competence to, the Hh signal. See page 1621 and the related report (page 1668) and News story (page 1583).

[Image: M. Dominguez, M. Brunner, E. Hafen, and K. Basler]