NEWS

Elusive HIV-Suppressor Factors Found 1560
Breast Cancer: Renalisis Confirms Results of 'Tainted' Study 1562
Long-Term Tamoxifen Trial Halted 1562
Clementine 2 to Size Up an Asteroid 1563
Japan R&D Budget: Public Spending Falls for First Time 1563
Astronomers Protect Endangered Bands 1564
U.K. Budget: Equipment Funds Suffer Heavy Cut 1564
It's Official: First Glimmer of Greenhouse Warming Seen 1565
Polar Regions Give Cold Shoulder to Theories 1566
Missing Chunk of North America Found in Argentina 1567
RNA Polymerase Gets Very Pushy 1568
Plasma Physicists Seek New Uses for the Legacy of Fusion 1569

PERSPECTIVES

Device Fabrication by Scanned Probe Oxidation 1570
J. A. Dagata

REPORTS

Small RNA Chaperones for Ribosome Biogenesis 1626
J. A. Steitz and K. T. Tycowski

RESEARCH ARTICLE

Three-Dimensional Simulation of a Magnitude 7.75 Earthquake on the San Andreas Fault 1628
K. B. Olsen, R. J. Archuleta, J. R. Matarrese

DEPARTMENTS

THIS WEEK IN SCIENCE
EDITORIAL
Homage to the Chromosome J. G. Gall

LETTERS
What Is Excellence?: D. E. Brash
Resubmission of NIH Grant Proposals: E. R. Levin
Quantal Fluctuations: Correction: D. S. Faber, W. S. Young, P. Legendre, H. Korn
Authorship Disputes: C. W. McCutchen

PRODUCTS & MATERIALS

BOOK REVIEWS
The Immortal Fire Within, reviewed by S. J. Dick
Mouse Genetics, M. Potter and B. Mock
Guidebook to Cyanobacteria and Their Receptors, B. Beutler
Vignettes
Reprints of Books Previously Received
Books Received
Publiders' Addresses

Board of Reviewing Editors

Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
Alan Bernstein
David E. Bloom
Pei Borst
Henry R. Bourne
Michael S. Brown
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
David Clapham
Adrienne E. Clarke
John M. Coffin
F. Fleming Crim
Paul J. Crutzen
James E. Dahlberg
Robert Desimone
Paul T. Englund
G. Erd
Richard G. Farbanks
Douglas T. Fearon

Henry A. Fazakerley
Klaus Friedrich
Roger I. M. Glass
Stephen P. Gust
Peter N. Goodfellow
Corey S. Goodman
Peter Gruss
Philip C. Hanawalt
Isa Herschkowitz
Nozutaka Hirokawa
Tomoko Hoshi
Tatsuji Horiyo
Sue Ann Hojman

Susan D. Jensen
Eric F. Johnson
Stephen M. Kossel
Michael LaBarbera
Nicole Le Douarin
Charles S. Levin
Alexander Levitzki
Harvey F. Lodish
Richard Lesick
Reinhard Lührmann
Ruth Lynden-Bell
Seith Marder

Diane Mathis
Anthony R. Means
Shigetada Nakashashi
Kim Nasmyth
Roger A. Nicoll
Stefan Normark
Stuart L. Pimm
Yoshikazu Pocker
Dennis A. Powers
Ralph S. Quatrano
Martin Raft
V. Ramanathan

Douglas C. Rees
T. M. Rice
David G. Rubie
Erik Ruska
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Styrer
Tomoyuki Takahashi
Masatoshi Takechi
Keiji Tanaka
Robert T. N. Tyan
Yoshinori Tokura
Emi R. Ueno
Geenl J. Vermeij
Bert Vogesler
Arthur Weiss
Zena Werb
George M. Whitesides
Olwen N. Witte
William A. Wulf

Downloaded from http://science.sciencemag.org/ on July 16, 2021
MSL-2 is a male-specific protein in Drosophila that binds to hundreds of sites along the single male X chromosome and increases gene expression to match that of the two X chromosomes in females. When this protein is ectopically expressed in females, as shown in this immunofluorescence micrograph, the two X chromosomes (paired over most of their length) are decorated in a male-like pattern. See page 1607. [Image: R. L. Kelley and M. I. Kuroda]

Minimization of a Polypeptide Hormone

B. Li, J. Y. K. Tom, D. Oare, R. Yen, W. J. Fairbrother, J. A. Wells, B. C. Cunningham

Sodium-Driven Potassium Uptake by the Plant Potassium Transporter HKT1 and Mutations Conferring Salt Tolerance

F. Rubio, W. Gassmann, J. I. Schroeder

A Human Telomeric Protein

L. Chong, B. van Steensel, D. Broccoli, H. Erdjument-Bromage, J. Hanish, P. Tempst, T. de Lange

Conserved Initiator Proteins in Eukaryotes

K. A. Gavin, M. Hidaka, B. Stillman

Separation of Origin Recognition Complex Functions by Cross-Species Complementation


A Drosophila Homolog of the Yeast Origin Recognition Complex


Early-Onset Epilepsy and Postnatal Lethality Associated with an Editing-Deficient Gltur-B Allele in Mice


Pineal Serotonin N-Acetyltransferase: Expression Cloning and Molecular Analysis

S. L. Coon, P. H. Roseboom, R. Baler, J. L. Weller, M. A. A. Namboodiri, E. V. Koonin, D. C. Klein

Shrinking a hormone

1657

TECHNICAL COMMENTS

Plecopteran Surface-Skimming and Insect Flight Evolution

K. W. Will; J. H. Marden and M. G. Kramer

Cover

Defect Motion on an InP(110) Surface

Observed with Noncontact Atomic Force Microscopy

Y. Sugawara, M. Ohta, H. Ueyama, S. Morita

Behavior of the Heliosphere over Prolonged Solar Quiet Periods by 44Ti Measurements in Meteorites

G. Bonino, G. C. Castagnoli, N. Bhandari, C. Taricco

Particle Formation in the Upper Tropical Troposphere: A Source of Nuclei for the Stratospheric Aerosol

C. A. Brock, P. Hamill, J. C. Wilson, H. H. Jonsson, K. R. Chan

Transcription Against an Applied Force

H. Yin, M. D. Wang, K. Svoboda, R. Landick, S. M. Block, J. Gelles

Indicates accompanying feature

AAAS Board of Directors

Francisco J. Ayala
Retiring President
Chairman
Rita R. Colwell
President
Jane Lubchenco
President-elect
William A. Lester Jr.
Simon A. Levin
Michael J. Novacek

Anna G. Roosevelt
Alan Schmehil
Jean E. Taylor
Chang Lin Tien
Nancy S. Wexler
William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class postage (publication No. 484400) paid at Washington, DC, and additional mailing offices. Copyright © 1995 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $97 ($50 allocated to subscription). Domestic institutional subscription (51 issues): $228. Foreign postage extra. Mexico, Caribbean (surface mail) $53; other countries (air assist delivery) $93. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Printed in the U.S.A.

Change of address: allow 4 weeks, giving old and new addresses and 9-digit account number. Postmaster: Send change of address to Science, P.O. Box 1811, Danbury, CT 06813-1811. Single copy sales: $7.00 per issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC), Transactional Reporting Service, provided that $3.00 per article is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/95 $3.00. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

1657

1654

1663

1674

1660

1667

1677

1681

1684
270 (5242)

*Science* 270 (5242), 1549-1698.