EDITORIAL
820 Maintaining Science Eminence
Alan I. Leshner

NEWS OF THE WEEK
826 A roundup of the week’s top stories

NEWS & ANALYSIS
828 Diplomatic Flap Threatens E.U.-Israeli Research Ties
829 How NASA Tried to Save Its Prime Planet-Spotter
830 Half of All Papers Now Free in Some Form, Study Claims
831 Can China Age Gracefully? A Massive Survey Aims to Find Out

NEWS FOCUS
833 The CRISPR Craze
837 The Save-the-World Foundation
>> Science Podcast

LETTERS
840 Archaeobotanical Archiving
S. E. J. Golzari
Response
M. Zeidi et al.
Alleviating Poverty in India: Biodiversity’s Role
R. M. Lasley Jr. et al.
Protecting the Right to Benefit from Science
J. H. Matsuura
Response
A. R. Chapman and J. M. Wyndham
842 CORRECTIONS AND CLARIFICATIONS

BOOKS ET AL.
843 After the Grizzly
P. S. Alagona, reviewed by S. Redpath
844 Game-Theoretical Models in Biology
M. Broom and J. Rychtář, reviewed by B. Allen and M. A. Nowak

EDUCATION FORUM
845 Can Rating Pre-K Programs Predict Children’s Learning?
T. J. Sabol et al.

POLICY FORUM
847 A Critical Crossroad for BLM’s Wild Horse Program
R. A. Garrott and M. K. Oli

PERSPECTIVES
849 Mysterious Ribosomopathies
K. L. McCann and S. J. Baserga
>> Science Podcast
850 Megacity Megaquakes—Two Near Misses
R. S. Stein and S. Toda
852 An Arsenic Forecast for China
H. A. Michael
>> Report p. 866
853 Gene Therapy That Works
I. M. Verma
>> Research Articles pp. 864 and 865
855 Nucleation from Solution
A. S. Myerson and B. L. Trout
>> Report p. 885
856 The Health Risk of Obesity—Better Metrics Imperative
R. S. Ahima and M. A. Lazar
858 Functional Ion Defects in Transition Metal Oxides
S. V. Kalinin and N. A. Spaldin

CONTENTS continued >>

ON THE WEB THIS WEEK
>> Ongoing Series: Neurodevelopment
Check out the latest installment in this ongoing series, a Review on neural crest cell development and disease, on page 860 and at www.sciencemag.org/extra/neurodev.

>> Find More Online
Check out Science Express, our podcast, videos, daily news, our research journals, and Science Careers at www.sciencemag.org.

COVER
Partial view of the predictive map of high levels of arsenic in groundwater resources in China (blue, low probability; red, high probability; width, 600 kilometers; resolution, 1 square kilometer). Chronic arsenic poisoning from contaminated groundwater is a major health problem in many parts of China. An estimated 19.6 million people are potentially exposed to elevated arsenic concentrations in their drinking water. See pages 852 and 866.

Image: Luis Rodríguez-Lado and Michael Berg, Eawag
RESEARCH ARTICLES

864 Lentiviral Hematopoietic Stem Cell Gene Therapy Benefits Metachromatic Leukodystrophy
A. Biffi et al.
Lentivirus-mediated gene therapy produces encouraging results in three children with a rare lysosomal storage disease.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1233158

865 Lentiviral Hematopoietic Stem Cell Gene Therapy in Patients with Wiskott-Aldrich Syndrome
A. Murti et al.
Lentivirus-mediated gene therapy produces encouraging results in three children with a rare immunodeficiency disorder.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1233151

REPORTS

866 Groundwater Arsenic Contamination Throughout China
L. Rodriguez-Lado et al.
A predictive map of arsenic in Chinese groundwater aquifers reveals a potential health risk to 19.6 million people.
>> Perspective p. 852

867 Hillslopes Record the Growth and Decay of Landscapes
M. D. Hurst et al.
Changes in tectonic rates can be quantitatively derived from hillslope morphology.

871 Mapping Tectonic Deformation in the Crust and Upper Mantle Beneath Europe and the North Atlantic Ocean
H. Zhu and J. Tromp
Anisotropy of the crust and mantle under Europe is a relict of the continent’s formation.

875 Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System
A. S. Madison et al.
Soluble manganese(III) accounts for up to 90% of the total manganese in the near-surface porewaters of hemipelagic sediments.

14-Step Synthesis of (+)-Ingenol from (+)-3-Carene
L. Jørgensen et al.
A chemical route to a diterpenoid could enhance production efficiency of a drug that treats a precancerous skin condition.

885 Microscopic Evidence for Liquid-Liquid Separation in Supersaturated CaCO₃ Solutions
A. F. Wallace et al.
The preordering seen during calcium carbonate crystallization may be due to a liquid-liquid separation process..
>> Perspective p. 855

889 Molecular Mechanism for Plant Steroid Receptor Activation by Somatic Embryogenesis Co-Receptor Kinases
J. Santiago et al.
Crystall structures reveal why the brassinosteroid receptor kinase requires another kinase helper protein for activation.

893 Titration of Four Replication Factors Is Essential for the Xenopus laevis Midblastula Transition
C. Collart et al.
Increasing numbers of nuclei compared with the cytoplasmic volume promotes a key developmental step in frog embryos.

896 SGK196 Is a Glycosylation-Specific O-Mannose Kinase Required for Dystroglycan Function
T. Yoshida-Moriguchi et al.
An atypical kinase genetically associated with muscular dystrophies recognizes a unique trisaccharide structure.

903 Cyclic GMP-AMP Synthase Is an Innate Immune Sensor of HIV and Other Retroviruses
D. Gao et al.
Cell culture experiments suggest that detection of retroviral DNA activates cellular defense systems.
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/341/6148

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl