

26 November 2010 | \$10

Science



EDITORIAL

- 1155 Protect U.S. Science Funding
Alan I. Leshner

NEWS OF THE WEEK

- 1162 New Republicans Could Revise Party Line on Research Funding
- 1163 Roche Exits RNAi Field, Cuts 4800 Jobs
- 1164 Excavation Yields Tantalizing Hints of Earliest Marine Reptiles
- 1164 From the *Science* Policy Blog
- 1165 From *Science's* Online Daily News Site
- 1166 Oversight But No Strict Rules for Synthetic Biology
- 1166 Collins Endorses Merger of U.S. Addiction Research Programs
- 1167 New Clues About What Makes the Human Brain Special

NEWS FOCUS

- 1168 Bacteria and Asthma: Untangling the Links
- 1170 The Fight for Yasuni
- 1172 Diseases in a Dish Take Off Stem Cells for Sale
>> *Science* Podcast
- 1174 Preserving African Cultural Heritage Meeting
Archaeologists, or Activists?
Early Dates for Diepkloof
Latter-Day Livingstone Digs Along the Congo

LETTERS

- 1176 Make Way for Ethanol
L. R. Lynd and C. H. de Brito Cruz
Permafrost and Wetland Carbon Stocks
E. A. Davidson
- Response
P. B. Reich
- Life in Science: Lab Family Feud
D. A. Chamovitz

BOOKS ET AL.

- 1178 The Climate Fix
R. Pielke Jr.;
Hack the Planet
E. Kintisch,
reviewed by K. E. Trenberth
- 1180 Claude Lévi-Strauss
P. Wilcken, reviewed by P. Shankman

POLICY FORUM

- 1181 The Energy-Poverty-Climate Nexus
C. E. Casillas and D. M. Kammen

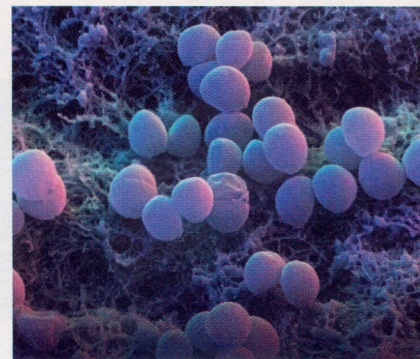
PERSPECTIVES

- 1183 Puzzled by PML
B. Culjkovic-Kraljacic and K. L. B. Borden
>> Report p. 1247
- 1184 Cosmic Rays from Cosmic Birth
T. Ray
>> Report p. 1209
- 1185 The Case for RNA
C. C. Liu and A. P. Arkin
>> Report p. 1251
- 1187 Intermediate Steps
D. P. Devos and E. G. Reynaud
- 1188 Quantum Measurement and Control of Single Spins in Diamond
G. J. Milburn
>> Report p. 1212
- 1189 Lynx for Braking Plasticity
M. J. Higley and S. M. Strittmatter
>> Report p. 1238
- 1191 Retrospective: Paul F. Barbara (1953–2010)
P. J. Rossky and G. C. Walker

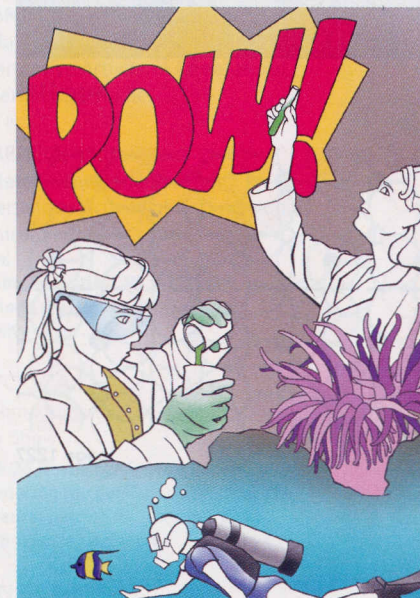
SCIENCE PRIZE ESSAY

- 1192 Got a Question? "Ask A Biologist"
C. Kazilek

CONTENTS continued >>



page 1168



page 1192



COVER

A domestic cat (*Felis catus*) laps milk by lowering its tongue to touch the liquid surface and then rapidly pulling it up, creating a liquid column, the top of which the animal captures in its mouth before gravity draws it down. Measurements of lapping frequency in domestic and wild cats suggest that this mechanism is conserved among felines and that lapping frequency is tuned to maximize the ingested volume per lap. See page 1231.

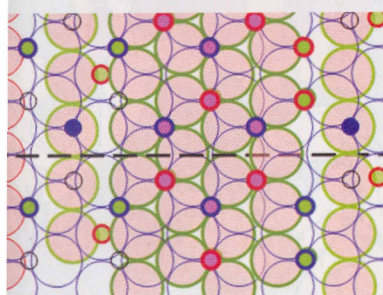
Photo: Micaela Pilotto, Pedro Reis, Roman Stocker

DEPARTMENTS

- 1152 This Week in *Science*
- 1156 Editors' Choice
- 1158 *Science* Staff
- 1161 Random Samples
- 1195 AAAS News & Notes
- 1256 New Products
- 1257 *Science* Careers



page 1198



page 1227

REVIEW

- 1198** From the Connectome to the Synaptome:
An Epic Love Story
J. DeFelipe

RESEARCH ARTICLE

- 1203** Crystal Structure of the Eukaryotic
Ribosome
A. Ben-Shem et al.
The structure of the 80S ribosome from yeast
has been determined at 4.15 angstrom
resolution.

REPORTS

- 1209** A Magnetized Jet from a Massive Protostar
C. Carrasco-González et al.
Observations reveal polarized synchrotron
emission from the jet of a young
stellar object.
>> *Perspective p. 1184*
- 1212** Spin-Light Coherence for Single-Spin
Measurement and Control in Diamond
B. B. Buckley et al.
Optical pulses were used to nondestructively
probe and manipulate the spin state of
nitrogen vacancy defects in diamond.
>> *Perspective p. 1188*
- 1216** The Evolution of Maximum Body Size
of Terrestrial Mammals
F. A. Smith et al.
Maximum mammal size increased at the
beginning of the Cenozoic, then leveled off
after about 25 million years.
- 1219** Modular Organic Structure-Directing
Agents for the Synthesis of Zeolites
R. Simancas et al.
Phosphazene molecules enable the synthesis
of a rare naturally occurring zeolite.
- 1222** Renewable Chemical Commodity
Feedstocks from Integrated Catalytic
Processing of Pyrolysis Oils
T. P. Vispute et al.
The addition of hydrogen helps boost the
yield of useful commodity compounds from
pyrolyzed biomass.

- 1227** The Core Structure of Basal Dislocations
in Deformed Sapphire ($\alpha\text{-Al}_2\text{O}_3$)
A. H. Heuer et al.
Sophisticated imaging is used to determine
the behavior of aluminum and oxygen ions
in the cores of dislocations in sapphire.
- 1231** How Cats Lap: Water Uptake by *Felis catus*
P. M. Reis et al.
Cats use fluid inertia to generate a liquid
column that they catch in their mouths
before gravity destroys it.
- 1234** Reducing the Gender Achievement Gap
in College Science: A Classroom Study
of Values Affirmation
A. Miyake et al.
A writing exercise improves the performance
of female physics students.
>> *Science Podcast*
- 1238** Lynx1, a Cholinergic Brake, Limits
Plasticity in Adult Visual Cortex
H. Morishita et al.
A gene identified in the mouse may show the
way to improved treatments for amblyopia,
a condition of indistinct vision.
>> *Perspective p. 1189*
- 1240** Motor Control by Sensory Cortex
F. Matyas et al.
Mouse whisker movements are controlled
by both the sensory and motor cortex for
navigation in complex environments.
- 1244** Poly(A) Tail Recognition by a Viral RNA
Element Through Assembly of a
Triple Helix
R. M. Mitton-Fry et al.
A hairpin structure within a viral noncoding
RNA protects its poly(A) tail from degradation.
- 1247** PML Regulates Apoptosis at Endoplasmic
Reticulum by Modulating Calcium Release
C. Giorgi et al.
The promyelocytic leukemia protein likely
influences apoptosis by influencing a calcium
channel in the endoplasmic reticulum.
>> *Perspective p. 1183*
- 1251** Reprogramming Cellular Behavior
with RNA Controllers Responsive
to Endogenous Proteins
S. J. Culler et al.
Cells engineered to detect a cancer-associated
marker produce a protein that sensitizes them
to an anticancer drug.
>> *Perspective p. 1185*

SCIENCEONLINE

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Cassini Finds an Oxygen–Carbon Dioxide Atmosphere at Saturn’s Icy Moon Rhea
B. D. Teolis et al.

Rhea’s atmosphere is maintained by chemical decomposition of surface water ice under irradiation from Saturn’s magnetosphere.
10.1126/science.1198386

Oxygen Doping Modifies Near-Infrared Band Gaps in Fluorescent Single-Walled Carbon Nanotubes

S. Ghosh et al.
Contrast can be improved in bioimaging applications by separating the emission and absorption wavelengths.
10.1126/science.1196382

Siah Regulation of Pard3A Controls Neuronal Cell Adhesion During Germinal Zone Exit

J. K. Famulski et al.
A ubiquitination cascade regulates formation of cell adhesions that immature neurons require in the developing mouse brain.
10.1126/science.1198480

The Cellular and Physiological Mechanism of Wing-Body Scaling in *Manduca sexta*

H. F. Nijhout and L. W. Grunert
The central nervous system and the hormone ecdysone govern wing-size scaling in the tobacco hornworm.
10.1126/science.1197292

Structural Basis of Biological N₂O Generation by Bacterial Nitric Oxide Reductase

T. Hino et al.
A structural comparison gives insight into the features that allow conversion between nitric oxide and oxygen reduction.
10.1126/science.1195591

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Highlights From Our Daily News Coverage

Large Size Didn’t Keep Pterosaurs Grounded

Group argues that ancient reptiles flew just fine, despite their massive weight.

Evolutionary Relationships Hold, Even in Our Guts

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Stars born with the Sun may be dispersed far and wide in the Milky Way.

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RESEARCH ARTICLE: BRAF Gene Amplification Can Promote Acquired Resistance to MEK Inhibitors in Cancer Cells Harboring the BRAF V600E Mutation

R. B. Corcoran et al.
Amplification of an upstream gene leads to resistance to cancer drugs targeted downstream.

RESEARCH ARTICLE: HLA Class I Molecules Partner with Integrin β_4 to Stimulate Endothelial Cell Proliferation and Migration

X. Zhang et al.

PODCAST

E. F. Reed and A. M. VanHook
Interactions between human leukocyte antigen I and the integrin β_4 subunit may contribute to transplant rejection.

PERSPECTIVE: Cyclic-di-GMP Reaches Out into the Bacterial RNA World

R. Hengge
A bacterial second messenger regulates mRNA translation by altering the cleavage of a self-splicing intron.

SCIENCE CAREERS

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Free Career Resources for Scientists

Reducing the Impact of Negative Stereotypes on the Careers of Women and Minority Scientists

D. Grewal
Research suggests that negative stereotypes pose a serious obstacle to fostering diversity in the scientific workforce.

Residency 101 for Physician-Scientists

R. Lorenz
Future physician-scientists should ask three questions when choosing a residency: What field? What type of residency? Which program?

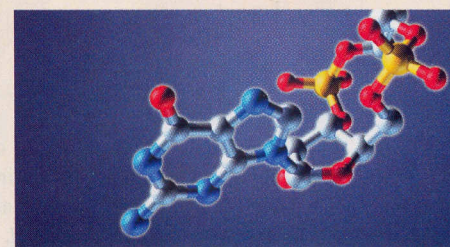
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PERSPECTIVE: Gaseotransmitters—New Frontiers for Translational Science

C. Szabo
Endogenous gaseous mediators offer therapeutic opportunities, as well as unexpected challenges for translational science.



SCIENCE SIGNALING

Cyclic-di-GMP, a bacterial second messenger.

RESEARCH ARTICLE: Adducin- and Ouabain-Related Gene Variants Predict the Antihypertensive Activity of Rostafuroxin. Part 1—Experimental Studies

M. Ferrandi et al.

RESEARCH ARTICLE: Adducin- and Ouabain-Related Gene Variants Predict the Antihypertensive Activity of Rostafuroxin. Part 2—Clinical Studies

C. Lanzani et al.
Genetic variants that affect Na,K-ATPase interactions predict the blood pressure response to an antihypertensive drug.

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Science Policy News and Analysis

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