

## EDITORIAL

- 567 Understanding the Human Brain  
*Sydney Brenner and Terrence J. Sejnowski*

## NEWS OF THE WEEK

- 574 A roundup of the week's top stories

## NEWS & ANALYSIS

- 577 Panel Endorses Anthrax Vaccine Study in Children
- 578 The Brain's Social Network  
*>> Report p. 697*
- 579 Psychologist Accused of Fraud on 'Astonishing Scale'
- 581 Large African TB Study Reveals Powerful Strategy to Curb Disease
- 582 12th International Congress of Human Genetics  
Life on the Fertile Frontier  
X-tra Diversity for Africans  
Diabetes Genes Decline Out of Africa

## NEWS FOCUS

- 584 Vigil at North Korea's Mount Doom  
A Very Big Bang  
*>> Science Podcast*
- 589 Sharp Insights and a Sharp Tongue

## LETTERS

- 593 Conservation: Limits of Land Sparing  
*J. Fischer et al.*  
Conservation: Model Management Intensity  
*K. Hayashi*  
Response  
*B. Phalan et al.*
- 594 TECHNICAL COMMENT ABSTRACTS
- 594 CORRECTIONS AND CLARIFICATIONS

## BOOKS ET AL.

- 598 The Copernican Question  
*R. S. Westman, reviewed by P. Dear*
- 600 1493  
*C. C. Mann, reviewed by J. Farmer*

## POLICY FORUM

- 603 Paying for Ecosystem Services—Promise and Peril  
*A. P. Kinzig et al.*

## PERSPECTIVES

- 606 Another Reason to Exercise  
*A. D. Gittler*  
*>> Report p. 690*
- 607 Paradigm Shifts in Dye-Sensitized Solar Cells  
*M. D. McGehee*  
*>> Research Article p. 629*
- 608 Synaptic Switch and Social Status  
*M. Maroteaux and M. Mamei*  
*>> Report p. 693*
- 610 A Photothermoelectric Effect in Graphene  
*D. Basko*  
*>> Report p. 648*
- 611 Growth Signaling from Inside  
*H. Abrahamsen and H. Stenmark*  
*>> Report p. 678*
- 612 Ocean Effects of Blocking  
*T. Woollings*  
*>> Report p. 655*
- 613 Running Out of Climate Space  
*R. Ohlemüller*  
*>> Reports pp. 652 and 660*

## ESSAY

- 615 Eppendorf Winner: The Language of Dendrites  
*T. Branco*

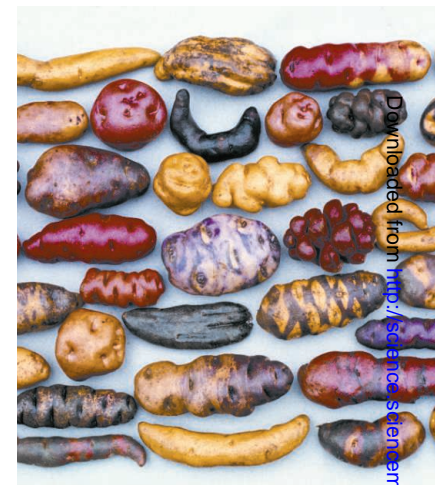
## REVIEWS

- 618 The Big and the Small: Challenges of Imaging the Brain's Circuits  
*J. W. Lichtman and W. Denk*
- 623 The Cell Biology of Synaptic Plasticity  
*V. M. Ho et al.*

**CONTENTS** continued >>



page 584



page 600

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## COVER

Conceptual illustration of information, in the form of electrical impulses, flowing through neuronal processes within the brain. Fundamental aspects of neuroscience are based in the study of neurons and how they interact. An Editorial (p. 567) and several Reviews (pp. 618 and 623), Reports (pp. 690, 693, and 697), and Perspectives (pp. 606 and 608) highlight current and future approaches in neuroscience research.

*Image: ktsimage/iStockphoto.com*

## DEPARTMENTS

- 563 This Week in *Science*
- 569 Editors' Choice
- 572 *Science* Staff
- 705 New Products
- 706 *Science* Careers

## RESEARCH ARTICLE

- 629 Porphyrin-Sensitized Solar Cells with Cobalt (II/III)-Based Redox Electrolyte Exceed 12 Percent Efficiency

A. Yella et al.

Simultaneous modification of the dye and redox shuttle boosts the efficiency of a dye-sensitized solar cell.

>> *Perspective p. 607*

## REPORTS

- 634 Structural Dynamics of a Catalytic Monolayer Probed by Ultrafast 2D IR Vibrational Echoes  
D. E. Rosenfeld et al.  
A method to track fast vibrational motion in solution has been extended to catalytically important solid/liquid interfaces.
- 639 A Fluoride-Derived Electrophilic Late-Stage Fluorination Reagent for PET Imaging  
E. Lee et al.  
A palladium compound facilitates rapid incorporation of radioactive fluoride into prospective tracers for medical imaging.
- 643 Ionic Liquid-Mediated Selective Conversion of CO<sub>2</sub> to CO at Low Overpotentials  
B. A. Rosen et al.  
Carbon dioxide reduction reactions, a key step in creating fuels from this gas, can be achieved in an ionic liquid.
- 645 Wireless Solar Water Splitting Using Silicon-Based Semiconductors and Earth-Abundant Catalysts  
S. Y. Reece et al.  
An artificial water-splitting system was built using abundant materials and sunlight.
- 648 Hot Carrier-Assisted Intrinsic Photoresponse in Graphene  
N. M. Gabor et al.  
Photoexcited electrons in graphene remain thermally excited because they cannot transfer this energy to lattice vibrations.  
>> *Perspective p. 610*
- 652 The Pace of Shifting Climate in Marine and Terrestrial Ecosystems  
M. T. Burrows et al.  
Ecologically relevant measures of contemporary global climate change can predict species distributions and vulnerabilities.  
>> *Perspective p. 613; Report p. 660*
- 655 Atmospheric Blocking and Atlantic Multidecadal Ocean Variability  
S. Häkkinen et al.  
Changing ocean circulation patterns and sea surface temperatures affect atmospheric flow in the North Atlantic region.  
>> *Perspective p. 612*

- 660 The Influence of Late Quaternary Climate-Change Velocity on Species Endemism  
B. Sandel et al.

Regions with low glacial-interglacial climate-change velocity were essential refuges for many small-ranged species.

>> *Perspective p. 613; Report p. 652*

- 664 Long-Term Change in the Nitrogen Cycle of Tropical Forests

P. Hietz et al.

The ratio of stable isotopes in leaves and wood reveals an increase in nitrogen availability in Panamanian and Thai tropical forests.

- 666 Neural Mechanisms for the Coordination of Duet Singing in Wrens

E. S. Fortune et al.

The brains of duetting wrens encode the entire song and not just the contribution of the individual.

- 670 *Drosophila* Microbiome Modulates Host Developmental and Metabolic Homeostasis via Insulin Signaling

S. C. Shin et al.

Successful development of fruit flies depends on a gut bacterium that interacts with its host's insulin-signaling pathway.

- 674 N-Terminal Acetylation Acts as an Avidity Enhancer Within an Interconnected Multiprotein Complex

D. C. Scott et al.

Acetylation of an amino-terminal methionine is important for mediating specific protein-protein interactions.

- 678 mTORC1 Senses Lysosomal Amino Acids Through an Inside-Out Mechanism That Requires the Vacuolar H<sup>+</sup>-ATPase

R. Zoncu et al.

Cellular sensing of amino acids occurs at the lysosome and is mediated by the vacuolar proton pump.

>> *Perspective p. 611*

- 683 RNAP II CTD Phosphorylated on Threonine-4 Is Required for Histone mRNA 3' End Processing

J.-P. Hsin et al.

Phosphorylation of a single conserved amino acid in higher eukaryotes plays a specific role in processing histone messenger RNA genes.

- 686 *Drosophila* CENH3 Is Sufficient for Centromere Formation

M. J. Mendiburo et al.

A specific histone is sufficient for the formation of a functional and heritable centromere in the fruit fly.

- 690 Exercise and Genetic Rescue of SCA1 via the Transcriptional Repressor Capicua

J. D. Fryer et al.

Gentle exercise can ameliorate disease severity in a mouse model of a fatal neurodegenerative disease.

>> *Perspective p. 606*

- 693 Bidirectional Control of Social Hierarchy by Synaptic Efficacy in Medial Prefrontal Cortex

F. Wang et al.

Manipulation of the neural circuit determining social status allows subordinate mice to move up the hierarchy and dominant mice to go down.

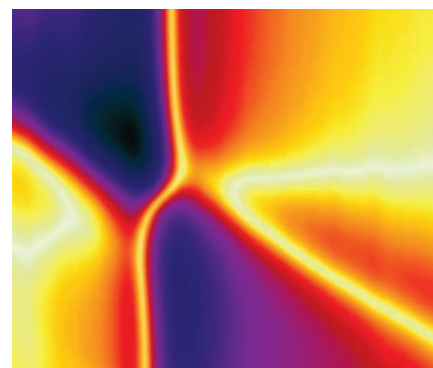
>> *Perspective p. 608*

- 697 Social Network Size Affects Neural Circuits in Macaques

J. Sallet et al.

Executing social cognition successfully requires more brain power.

>> *News story p. 578; Science Podcast*



pages 610 & 648



page 666

CONTENTS continued >>

## SCIENCEONLINE

## SCIENCEEXPRESS

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

### Fermi Detection of a Luminous $\gamma$ -Ray Pulsar in a Globular Cluster

*The Fermi LAT Collaboration*

Contrary to expectations, the  $\gamma$ -rays from a distant cluster of stars are dominated by emission from a single neutron star.

10.1126/science.1207141

### Crystal Structure of the Eukaryotic 60S Ribosomal Subunit in Complex with Initiation Factor 6

*S. Klinge et al.*

The 3.5 angstrom-resolution structure provides insights into the architecture of the eukaryotic ribosome and its regulation.

10.1126/science.1211204

### Entorhinal Cortex Layer III Input to the Hippocampus Is Crucial for Temporal Association Memory

*J. Suh et al.*

A specific neural circuit integrates temporally dispersed stimuli into a coherent memory episode.

10.1126/science.1210125

### Inhibition of Pyruvate Kinase M2 by Reactive Oxygen Species Contributes to Cellular Antioxidant Responses

*D. Anastasiou et al.*

The glycolytic metabolism of cancers differs from normal tissues, allowing tumor cells to survive under oxidative stress.

10.1126/science.1211485

### Experimental Evolution of Reduced Sex Ratio Adjustment Under Local Mate Competition

*E. Macke et al.*

Tests of Hamilton's theory on a spider mite show that populations evolve with less phenotypic plasticity in their sex ratio.

10.1126/science.1212177

### Deep Human Genealogies Reveal a Selective Advantage to Be on an Expanding Wave Front

*C. Moreau et al.*

Women in the vanguard of range expansions, such as the European settlement of Quebec, married young and had more offspring.

10.1126/science.1212880

>> [Science Podcast](#)

### Editorial Expression of Concern on Stapel and Lindenberg Report

*B. Alberts*

10.1126/science.1216027

## TECHNICALCOMMENTS

### Comment on "Atmospheric $P_{CO_2}$ Perturbations Associated with the Central Atlantic Magmatic Province"

*M. R. Rampino and K. Caldeira*

Full text at [www.sciencemag.org/cgi/content/full/334/6056/594-b](http://www.sciencemag.org/cgi/content/full/334/6056/594-b)

### Response to Comment on "Atmospheric $P_{CO_2}$ Perturbations Associated with the Central Atlantic Magmatic Province"

*M. F. Schaller et al.*

Full text at [www.sciencemag.org/cgi/content/full/334/6056/594-c](http://www.sciencemag.org/cgi/content/full/334/6056/594-c)

## SCIENCENOW

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

Highlights From Our Daily News Coverage

### Happiness Associated With Longer Life

Among older people, upbeat moods could mean greater life span.

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Musicologists learn what makes chalkboard screeches so painful.

[http://scim.ag/\\_chalkboard](http://scim.ag/_chalkboard)

### The Case of the Haunted Golf Club

Does the 'spirit' of a previous owner of sports equipment carry over to new users?

[http://scim.ag/\\_golfclub](http://scim.ag/_golfclub)

## SCIENCE SIGNALING

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

The Signal Transduction Knowledge Environment

**1 November issue:** <http://scim.ag/ss110111>

### RESEARCH ARTICLE: p53 and MicroRNA-34 Are Suppressors of Canonical Wnt Signaling

*N. H. Kim et al.*

The tumor suppressor p53 activates miRNA-34 to inhibit Wnt signaling and colorectal cancer cell invasiveness.

### RESEARCH ARTICLE: A CC' Loop Decoy Peptide Blocks the Interaction between Act1 and IL-17RA to Attenuate IL-17- and IL-25-Induced Inflammation

*C. Liu et al.*

### PODCAST

*X. Li and A. M. VanHook*

A cell-permeable peptide derived from an adaptor protein blocks cytokine receptor signaling and reduces inflammation.

### RESEARCH ARTICLE: Persistent Stimulation with Interleukin-17 Desensitizes Cells Through SCF $\beta$ -TrCP-Mediated Degradation of Act1

*P. Shi et al.*

Persistent inflammation may be prevented by degradation of an adaptor protein required for inflammatory cytokine receptor signaling.

## SCIENCE TRANSLATIONAL MEDICINE

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

Integrating Medicine and Science

**2 November issue:** <http://scim.ag/stm110211>

### FOCUS: Epstein-Barr Virus—An Important Vaccine Target for Cancer Prevention

*J. I. Cohen et al.*

Epstein-Barr virus vaccine research should focus on the prevention of EBV-associated cancers and infectious mononucleosis.

### PERSPECTIVE: Epigenetics of Nicotine—Another Nail in the Coughing

*N. D. Volkow*

Chronic nicotine exposure rewired the brains of rodents and enhanced their behavioral response to cocaine.

### RESEARCH ARTICLE: Molecular Mechanism for a Gateway Drug—Epigenetic Changes Initiated by Nicotine Prime Gene Expression by Cocaine

*A. Levine et al.*

Nicotine changes the way brain cells respond to cocaine, possibly explaining how smoking acts as a gateway for cocaine abuse.

### RESEARCH ARTICLE: Lipotoxicity Causes Multisystem Organ Failure and Exacerbates Acute Pancreatitis in Obesity

*S. Navina et al.*

Unsaturated fatty acids cause lipotoxicity and mediate acute adverse outcomes in obese individuals with pancreatitis.

### RESEARCH ARTICLE: ALDH2 Activator Inhibits Increased Myocardial Infarction Injury by Nitroglycerin Tolerance

*L. Sun et al.*

Tolerance to nitroglycerin, a drug often used to treat chest pain, increases susceptibility to injury by myocardial infarction.

## SCIENCE CAREERS

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

Free Career Resources for Scientists

### Taken for Granted: Getting to Aaahhh!

*B. L. Benderly*

A former postdoc finds a deeply satisfying career teaching high school.

[http://scim.ag/tfg\\_teaching](http://scim.ag/tfg_teaching)

### Conquering Information Overload

*S. A. Holgate*

How can you keep from drowning in the sea of information your work depends on?

[http://scim.ag/info\\_overload](http://scim.ag/info_overload)

### In Person: At Summer Davos

*M. Anand*

At a world summit, a young scientist recognizes the importance of engaging real-world problems and the wider community.

[http://scim.ag/Summer\\_Davos](http://scim.ag/Summer_Davos)

## SCIENCE PODCAST

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On the 4 November *Science* Podcast: social networks and brain structure, fertility at the range front, keeping vigil at Changbai-Paektu volcano, and more.

## SCIENCE INSIDER

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