



792

## NEWS

### IN BRIEF

**778** News at a glance

### IN DEPTH

**782** A new form of pure carbon dazzles and attracts

Reflective, conductive, and magnetic, U-carbon could have many practical uses—if it's real *By W. Wayt Gibbs*

**783** 'Secret science' plan is back, and critics say it's worse

EPA proposal would allow regulators to ignore many health studies *By D. Malakoff*

**784** Bacterial toxin linked to severe alcoholic liver disease

In mice, viruses known as phages reduced alcohol-related liver problems by eliminating a gut microbe *By E. Frederick*

**785** Drones reveal earthquake hazards hidden in the abyss

Low-cost approach enables United States to double scrutiny of seafloor creep in quake zones *By P. Voosen*

**786** A mysterious disease is striking American beech trees

Researchers debate whether a tiny worm is to blame *By G. Popkin*

**787** Top Democrat wants big AI push

Senator Charles Schumer calls for 5-year, \$100 billion plan *By J. Mervis*

### FEATURES

**788** Life partners

Nancy Moran's passion for insects and their indwelling microbes helped the field of symbiosis come into its own *By E. Pennisi*

**792** Arctic intruder

The *Polarstern* is enabling scientists to spend 1 year frozen in ice. Now, they must make sure the ship doesn't wreck their studies *By S. Hall*  
PODCAST

## INSIGHTS

### POLICY FORUM

**794** China's key role in scaling low-carbon energy technologies

Meeting the Paris goals will require collaboration with China *By J. Helveston and J. Nahm*

### PERSPECTIVES

**797** Translating translation in Down syndrome

Protein quality control mechanisms may hold the key to treatment of cognitive disability *By M. Halliday and G. R. Mallucci*

QUALITY CONTROL IN THE CELL p. 816;  
RESEARCH ARTICLE p. 843

**798** Modeling the early development of a primate embryo

Post-implantation embryos from cynomolgus monkeys are cultured for extended periods *By P. P. L. Tam*

RESEARCH ARTICLES pp. 836 & 837

**800** Cross-linking polyethylene through carbenes

A carbene-forming molecule can glue various polymers, even ones lacking functional groups *By F. J. de Zwart et al.*

REPORT p. 875

**801** Piling on the pressures to ecosystems

Identifying dangerous combinations of assaults could prevent ecosystem collapse *By P. Manning*

REPORT p. 886

**802** Cellular survival over genomic perfection

DNA repair pathways permit some damage, leading to mutagenesis but not always cancer *By S. Nik-Zainal and B. A. Hall*

QUALITY CONTROL IN THE CELL p. 816

**804** Overcoming glass brittleness

Thin films of flawless amorphous alumina are ductile at room temperature *By L. Wondraczek*

REPORT p. 864

**805** Reuniting biogeochemistry with ecology and evolution

Mining of biological and geochemical data pinpoints a key trait of freshwater plants *By R. Marcé and B. Obrador*

REPORT p. 878

**806** Microbes and genes in heart failure

Human genetic variants and gut microbiota trigger cardiac inflammation *By S. Epelman*

REPORT p. 881

### BOOKS ET AL.

**809** Returning the fallen

An anthropologist offers compelling context for ongoing efforts to repatriate service members killed in Vietnam *By M. McFate*

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**810 The deadly diffusion of lethal technologies**

From 3D-printed guns to weaponized hobby drones, open technologies pose sinister threats *By G. Lucas*

**LETTERS****813 Seabirds: Sentinels beyond the oceans**

*By M. Thibault et al.*

**813 Save horseshoe crabs and coastal ecosystems**

*By H. Yang et al.*

**814 Consider Humboldt's map as intended**

*By C. U. Ulloa*

**814 Technical Comment abstracts****RESEARCH****IN BRIEF**

**833** From *Science* and other journals

**RESEARCH ARTICLES****Developmental biology**

**836** In vitro culture of cynomolgus monkey embryos beyond early gastrulation

*H. Ma et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: [DX.DOI.ORG/10.1126/SCIENCE.AAX7890](https://doi.org/10.1126/SCIENCE.AAX7890)

**837** Dissecting primate early post-implantation development using long-term in vitro embryo culture

*Y. Niu et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: [DX.DOI.ORG/10.1126/SCIENCE.AAW5754](https://doi.org/10.1126/SCIENCE.AAW5754)

PERSPECTIVE p. 798

**838 Structural biology**

Structure of the RSC complex bound to the nucleosome *Y. Ye et al.*

**843 Biomedicine**

Activation of the ISR mediates the behavioral and neurophysiological abnormalities in Down syndrome *P. J. Zhu et al.*

QUALITY CONTROL IN THE CELL p. 816; PERSPECTIVE p. 797

**850 Electrochemistry**

Engineering bunched Pt-Ni alloy nanocages for efficient oxygen reduction in practical fuel cells *X. Tian et al.*

**SPECIAL SECTION****Quality control in the cell****INTRODUCTION**

**816** Quality control in cell biology

**REVIEWS**

**818** Cellular quality control by the ubiquitin-proteasome system and autophagy *C. Pohl and I. Dikic*

**822** Cellular RNA surveillance in health and disease *S. L. Wolin and L. E. Maquat*

**827** Mitochondrial communication: Shaping health and disease *A. Mottis et al.*

PERSPECTIVES pp. 797 & 802  
RESEARCH ARTICLE p. 843

**ON THE COVER**

Stylized view of the cell to illustrate that the nucleus exports RNA messages that are translated into proteins (blue) by ribosomes. Proteasomes and lysosomes degrade and recycle internalized, aberrant, or excess

proteins. The endoplasmic reticulum and Golgi complex package and sort cargoes for transport to other organelles or for export from the cell. Mitochondria provide power to the rest of the cell. For more on cellular quality control, see page 816. *Illustration: Nigel Sussman*

**REPORTS****856 Laser physics**

Widely tunable compact terahertz gas lasers *P. Chevalier et al.*

**860 Optoelectronics**

Nano-opto-electro-mechanical switches operated at CMOS-level voltages *C. Haffner et al.*

**864 Glasses**

Highly ductile amorphous oxide at room temperature and high strain rate *E. J. Frankberg et al.*

PERSPECTIVE p. 804

**870 2D materials**

Electrical control of interlayer exciton dynamics in atomically thin heterostructures *L. A. Jauregui et al.*

**875 Polymer chemistry**

A broadly applicable cross-linker for aliphatic polymers containing C–H bonds *M. L. Lepage et al.*

PERSPECTIVE p. 800

**878 Freshwater ecology**

Catchment properties and the photosynthetic trait composition of freshwater plant communities *L. L. Iversen et al.*

PERSPECTIVE p. 805

**881 Immunology**

Microbiota-derived peptide mimics drive lethal inflammatory cardiomyopathy *C. Gil-Cruz et al.*

PERSPECTIVE p. 806

**886 Soil ecology**

The role of multiple global change factors in driving soil functions and microbial biodiversity *M. C. Rillig et al.*

PERSPECTIVE p. 801

**890 Solar physics**

Generation of solar spicules and subsequent atmospheric heating *T. Samanta et al.*

PODCAST

**894 Quantum optics**

Thermally condensing photons into a coherently split state of light *C. Kurtscheid et al.*

**DEPARTMENTS****777 Editorial**

CRISPR's unwanted anniversary *By Jennifer Doudna*

**918 Working Life**

An escape into fiction *By Jeff Clark*

Science Staff ..... 776  
New Products ..... 898  
Science Careers ..... 902

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals mail postage (publication No. 48446D) paid at Washington, DC, and additional mailing offices. Copyright © 2019 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership, including subscription (12 months): \$165 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$1971. Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery): \$98. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request. GST #125488122. Publications Mail Agreement Number 1069624. **Printed in the U.S.A.** **Change of address:** Allow 4 weeks, giving old and new addresses and 8-digit account number. **Postmaster:** Send change of address to AAAS, P.O. Box 96178, Washington, DC 20090-6178. **Single-copy sales:** \$15 each plus shipping and handling; bulk rate on request. **Authorization to reproduce** material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act can be obtained through the Copyright Clearance Center (CCC), [www.copyright.com](http://www.copyright.com). The identification code for Science is 0036-8075. Science is indexed in the *Reader's Guide to Periodical Literature* and in several specialized indexes.

# Science

**366 (6467)**

*Science* **366** (6467), 777-918.

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