

434

## NEWS

### IN BRIEF

**428** News at a glance

### IN DEPTH

#### **432** OBSTACLES LOOM ALONG PATH TO THE END OF AIDS

International meeting highlights clash between ambitious goals and wobbly funding *By J. Cohen*

#### **433** CHIMPANZEE SANCTUARIES OPEN DOOR TO MORE RESEARCH

Collaboration aims to beef up science at retirement centers *By D. Grimm*

#### **434** RETHINKING THE NORTH AMERICAN WOLF

Genome sequencing suggests two endangered wolf species are coyote hybrids *By V. Morrell*

► SCIENCE ADVANCES RESEARCH ARTICLE BY B. M. VONHOLDT ET AL.

#### **436** AFTER FAILED COUP, TURKEY'S ACADEMICS FEEL REGIME'S WRATH

Thousands of researchers and university officials fired, suspended, or told to return home immediately *By J. Bohannon*

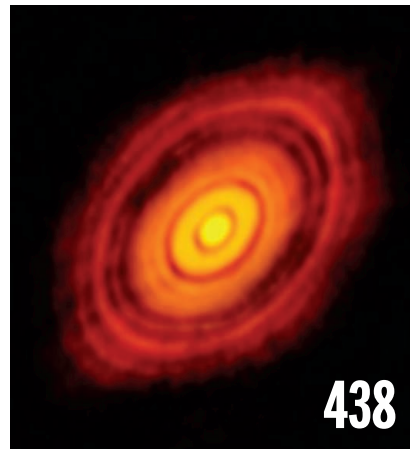
#### **437** UNCERTAINTY REIGNS IN BREXIT BRITAIN

As U.K. universities counsel their E.U. staff, researchers see first signs of fallout *By E. Stokstad*

### FEATURE

#### **438** FORBIDDEN PLANETS

How the zoo of exoplanets has turned planet formation theory upside down *By D. Clery*



438

## INSIGHTS

### PERSPECTIVES

#### **442** PARASITIC PLANTS—A CURE FOR WHAT AILS THEE

A parasitic plant is perceived by its host plant in a similar manner to microbes *By V. Ntoukakis and S. Gimenez-Ibanez*  
► REPORT P. 478

#### **444** ON THE RECORD WITH *E. COLI* DNA

DNA can be engineered for cells to record events in real time *By O. Borkowski et al.*  
► RESEARCH ARTICLES PP. 462 & 463

#### **445** THE SMOKING GUN FOR ATLANTIC CIRCULATION CHANGES

Deep-sea sediments record changes in ocean circulation during the last glacial age *By A. Schmittner*  
► REPORT P. 470

#### **446** PLANT EXTINCTIONS TAKE TIME

Many plant species may already be functionally extinct *By Q. Cronk*

### POLICY FORUM

#### **448** COUNTERING IMPRECISION IN PRECISION MEDICINE

Better coordination is needed to study complex interventions *By S. P. Hey and A. S. Kesselheim*

### BOOKS ET AL.

#### **450** I CONTAIN MULTITUDES

*By E. Yong, reviewed by S. Perkins*

#### **451** HISTORY WITHIN

*By M. Sommer, reviewed by M. Meloni*

### LETTERS

#### **452** CLARIFYING SAMPLES IN ZIKA ANALYSES

*By J. R. M. de Oliveira and D. A. P. Moura*

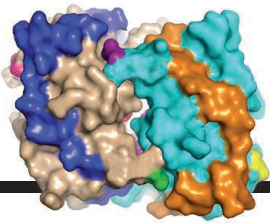
#### **452** ANIMAL-BASED ANTIBODIES: OBSOLETE

*By A. C. Gray et al.*

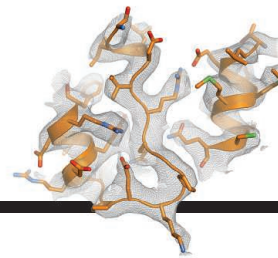
#### **453** THE LINE BETWEEN SCIENCE AND POLITICS

*By M. Weintraub*

#### **453** TECHNICAL COMMENT ABSTRACTS



**503**  
A Zika drug target



**506**  
HIV assembly

# RESEARCH

## IN BRIEF

**458** From *Science* and other journals

## REVIEW

### 461 APPLIED PHYSICS

2D materials and van der Waals heterostructures *K. S. Novoselov et al.*  
REVIEW SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aac9439](https://doi.org/10.1126/science.aac9439)

## RESEARCH ARTICLES

### 462 CELL LINEAGE TRACING

Whole-organism lineage tracing by combinatorial and cumulative genome editing *A. McKenna et al.*  
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aaf7907](https://doi.org/10.1126/science.aaf7907)  
► PERSPECTIVE P. 444

### 463 SYNTHETIC BIOLOGY

Molecular recordings by directed CRISPR spacer acquisition *S. L. Shipman et al.*  
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aaf1175](https://doi.org/10.1126/science.aaf1175)  
► PERSPECTIVE P. 444

## REPORTS

### 464 OPTICS

Orbital angular momentum microlaser  
*P. Miao et al.*

### 467 ELECTROCHEMISTRY

Nanostructured transition metal dichalcogenide electrocatalysts for CO<sub>2</sub> reduction in ionic liquid *M. Asadi et al.*

### 470 PALEOCEANOGRAPHY

North Atlantic ocean circulation and abrupt climate change during the last glaciation *L. G. Henry et al.*  
► PERSPECTIVE P. 445

### 474 EDUCATION

Teaching accreditation exams reveal grading biases favor women in male-dominated disciplines in France *T. Breda and M. Hillion*

### 478 PARASITIC PLANTS

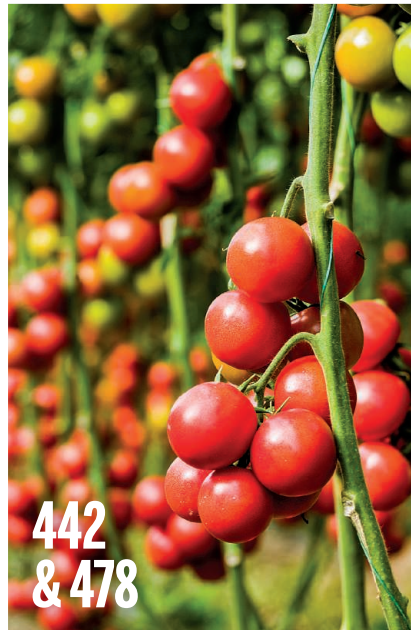
Detection of the plant parasite *Cuscuta reflexa* by a tomato cell surface receptor  
*V. Hegenauer et al.*  
► PERSPECTIVE P. 442

### 482 PLANT ECOLOGY

Rapid evolution accelerates plant population spread in fragmented experimental landscapes  
*J. L. Williams et al.*

### 485 PLANT DEVELOPMENT

*Arabidopsis* transcriptional repressor VAL1 triggers Polycomb silencing at *FLC* during vernalization  
*J. I. Qiuesta et al.*



**442  
& 478**

### 488 SYMBIOSIS

Basidiomycete yeasts in the cortex of ascomycete macrolichens  
*T. Spribille et al.*  
► VIDEO

### 492 INFECTION

Increased plasmid copy number is essential for *Yersinia* T3SS function and virulence  
*H. Wang et al.*

### 495 EPIGENETICS

Early-life nutrition modulates the epigenetic state of specific rDNA genetic variants in mice *M. L. Holland et al.*

### 499 HUMAN GENETICS

Early Neolithic genomes from the eastern Fertile Crescent  
*F. Broushaki et al.*

### 503 STRUCTURAL BIOLOGY

Crystal structure of Zika virus NS2B-NS3 protease in complex with a boronate inhibitor  
*J. Lei et al.*

### 506 STRUCTURAL BIOLOGY

An atomic model of HIV-1 capsid-SP1 reveals structures regulating assembly and maturation  
*F. K. M. Schur et al.*

## DEPARTMENTS

### 427 EDITORIAL

Intentional equity  
*By France A. Córdova*

### 514 WORKING LIFE

Growth from failure  
*By Tenaya K. Vallery*

## ON THE COVER



*Hypogymnia imshaugii*, a macrolichen common in northwestern North America. Lichens were previously thought to contain two parts: an ascomycetous fungus and a photosynthetic alga. *Spribille et al.*

show that a third element—a basidiomycete yeast—is part of the lichen cortex in the largest group of macrolichens. See page 488. *Photo: Timothy B. Wheeler/timwheelerphotography.com*

Science Staff .....	426
News & Notes .....	455
New Products .....	509
Science Careers .....	510

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