

# CONTENTS



1384

Bronze Age bling decorated warriors' hair and clothing

25 MARCH 2016 • VOLUME 351 • ISSUE 6280

## NEWS

### IN BRIEF

1372 News at a glance

### IN DEPTH

#### 1376 CRUNCH TIME FOR DARK MATTER HUNT

Little confidence that biggest WIMP detector ever will find hypothesized particles *By A. Cho*

#### 1377 DON'T BLAME SPORTS FOR ZIKA'S SPREAD

Viral genomes suggest ordinary travel brought the disease to Brazil in late 2013 *By G. Vogel*

► N. R. FARIA ET AL. 10.1126/SCIENCE.AAF5036

#### 1378 COMB JELLY 'ANUS' GUTS IDEAS ON ORIGIN OF THROUGH-GUT

Videos of captive marine creatures unexpectedly show jellies defecate from pores, not via their mouths *By A. Maamen*

#### 1380 SYNTHETIC MICROBE HAS FEWEST GENES, BUT MANY MYSTERIES

One-third of 473 genes in microbes have unknown functions *By R. F. Service*

► RESEARCH ARTICLE P. 1414

#### 1381 TURKISH SCHOLAR WHO ELUDED ARREST DESCRIBES 'WITCH HUNT'

Three of Meral Camcı's fellow academics are imprisoned for criticizing the government; more arrests may follow *By J. Bohannon*

#### 1382 CHINA'S FIVE-YEAR PLAN BOOSTS BASIC RESEARCH FUNDING

Blueprint gives few details, but scientists foresee more generous grants and new facilities *By H. Xin*

### FEATURE

#### 1384 SLAUGHTER AT THE BRIDGE

Grisly find suggests Bronze Age northern Europe was more organized—and violent—than thought *By A. Curry*

► PODCAST

## INSIGHTS

### PERSPECTIVES

#### 1390 A BIG BANG IN SPLICEOSOME STRUCTURAL BIOLOGY

3D snapshots reveal dynamics of the spliceosome on the mRNA splicing pathway *By J. H. D. Cate*

► RESEARCH ARTICLE P. 1416

#### 1392 THERMAL TROUBLE IN THE TROPICS

Tropical species may be highly vulnerable to climate change *By T. M. Perez et al.*

► REPORT P. 1437

#### 1394 A BENCHMARK FOR MATERIALS SIMULATION

Material properties can now be predicted reliably from first-principles calculations *By C.-K. Skylaris*

► RESEARCH ARTICLE P. 1415

#### 1395 TWO-DIMENSIONAL NANOFUIDICS

Restacked exfoliated sheets create interconnected nanofluidic channels for ion transport *By A. R. Koltonow and J. Huang*

#### 1396 DON'T FORGET THE SURFACE

Surface effects play a key role in cloud droplet formation *By B. Noziere*

► REPORT P. 1447

#### 1398 THE ONCOGENE MAKES ITS ESCAPE

Disruptions in 3D genomic architecture allow cancer genes to evade transcriptional silencing *By J. Wala and R. Beroukhim*

► REPORT P. 1454

#### 1399 ETHICS REVIEW FOR INTERNATIONAL DATA-INTENSIVE RESEARCH

Ad hoc approaches mix and match existing components *By E. S. Dove et al.*

#### 1401 LEAD HALIDES JOIN THE TOP OPTOELECTRONIC LEAGUE

Lead halide materials have the properties needed to reach the highest photovoltaic efficiencies *By E. Yablonovitch*

► REPORT P. 1430

### BOOKS ET AL.

#### 1403 THE SOCIETY OF GENES

*By I. Yanai and M. Lercher, reviewed by J. Swift*

#### 1404 KUHN'S STRUCTURE OF SCIENTIFIC REVOLUTIONS AT FIFTY

*R. J. Richards and L. Daston, Eds., reviewed by S. D. Mitchell*

### LETTERS

#### 1405 BASIC SCIENCE: BEDROCK OF PROGRESS

*By F. S. Collins et al.*

#### 1405 A RESEARCH SYMBIONT

*By B. Fecher and G. G. Wagner*

#### 1406 PSEUDONYMOUS FAME

*By M. C. Wendl*

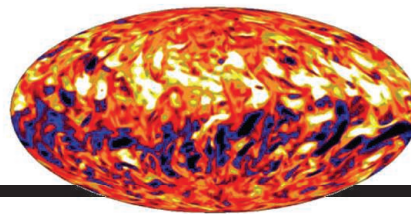
#### 1406 TECHNICAL COMMENT ABSTRACTS

Science Staff .....	1368
AAAS News & Notes .....	1408
New Products .....	1479
Science Careers .....	1480



PHOTO: STEVEN HADDOCK/JELLYWATCH.ORG

# CONTENTS



1427

Simulating solar magnetism

25 MARCH 2016 • VOLUME 351 • ISSUE 6280

## RESEARCH

### IN BRIEF

**1411** From *Science* and other journals

### RESEARCH ARTICLES

#### 1414 SYNTHETIC BIOLOGY

Design and synthesis of a minimal bacterial genome  
*C. A. Hutchison III et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:

[dx.doi.org/10.1126/science.aad6253](http://dx.doi.org/10.1126/science.aad6253)

► NEWS STORY P. 1380

#### 1415 DFT METHODS

Reproducibility in density functional theory calculations of solids  
*K. Lejaeghere et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:

[dx.doi.org/10.1126/science.aad3000](http://dx.doi.org/10.1126/science.aad3000)

► PERSPECTIVE P. 1394

#### 1416 STRUCTURAL BIOLOGY

Molecular architecture of the human U4/U6.U5 tri-snRNP  
*D. E. Agafonov et al.*

► PERSPECTIVE P. 1390

### REPORTS

#### C-H BOND ACTIVATION

**1421** Catalyst-controlled selectivity in the C-H borylation of methane and ethane  
*A. K. Cook et al.*

**1424** Catalytic borylation of methane  
*K. T. Smith et al.*

#### 1427 MAGNETOHYDRODYNAMICS

Large-scale magnetic fields at high Reynolds numbers in magnetohydrodynamic simulations  
*H. Hotta et al.*

#### 1430 SOLAR CELLS

Photon recycling in lead iodide perovskite solar cells  
*L. M. Pazos-Outón et al.*

► PERSPECTIVE P. 1401



#### 1433 ECONOMICS

Evaluating replicability of laboratory experiments in economics  
*C. F. Camerer et al.*

#### 1437 PHYSIOLOGICAL ECOLOGY

Seasonal and daily climate variation have opposite effects on species elevational range size  
*W.-P. Chan et al.*

► PERSPECTIVE P. 1392

#### 1440 MEMORY FORMATION

Diversity in neural firing dynamics supports both rigid and learned hippocampal sequences  
*A. D. Groszmark and G. Buzsáki*

#### 1443 NEURODEVELOPMENT

Sequential transcriptional waves direct the differentiation of newborn neurons in the mouse neocortex  
*L. Telley et al.*

#### 1447 CLOUD FORMATION

An interfacial mechanism for cloud droplet formation on organic aerosols  
*C. R. Ruehl et al.*

► PERSPECTIVE P. 1396

#### 1450 PROTEIN EVOLUTION

Survey of variation in human transcription factors reveals prevalent DNA binding changes  
*L. A. Barrera et al.*

#### 1454 CANCER

Activation of proto-oncogenes by disruption of chromosome neighborhoods  
*D. Hnisz et al.*

► PERSPECTIVE P. 1398

#### 1458 HIV-1 VACCINES

HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen  
*J. G. Jardine et al.*

#### 1463 TUMOR IMMUNOLOGY

Clonal neoantigens elicit T cell immunoreactivity and sensitivity to immune checkpoint blockade  
*N. McGranahan et al.*

#### 1469 TRANSPORTER FUNCTION

Direct observation of proton pumping by a eukaryotic P-type ATPase  
*S. Veshaguri et al.*

### DEPARTMENTS

#### 1371 EDITORIAL

Einstein v. Roberts  
*By S. J. Gates Jr.*

#### 1494 WORKING LIFE

Lessons from a bridge generation  
*By Rosalind A. Segal*

### ON THE COVER

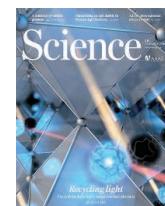


Illustration of the lead iodide perovskite crystal lattice with rays of sunlight falling onto the material, creating electron-hole pairs (electrons, blue; holes, black) as photons are absorbed. Upon later recombination of these charge pairs, photons are emitted and propagate within the crystal, regenerating charges when absorbed. This photon recycling process is crucial for obtaining high photovoltaic efficiencies and improving the performance of perovskite solar cells. See pages 1401 and 1430. *Illustration: C. Bickel/Science*

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